ORDER No. ACED021227C1

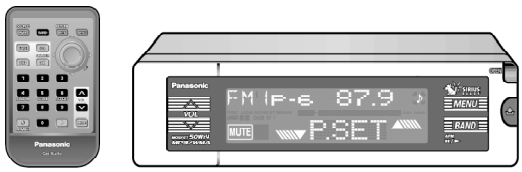
C4

Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

CQ-HX1083U / CQ-HR1003U

Removable Full Front MP3 WMA CD Pla yer / Receiver with CD Changer Control Removable Full Front CD Pla yer / Receiver with CD Changer Control



(CQ-HX1083U)

SPECIFICATIONS

Specification*

General	
Power Supply	**DC 12V (10.8V - 16V),** **Test Voltage 14.4V** **Negative Ground**
Current Consumption	**Less than 2.2A (CD play mode ; 0.5W×4ch)**
Maximum Power Output	**50W×4ch (at 1kHz, Vol. MAX)**
Tone Adjustment Range	**Bass ; ±12dB at 120Hz** **Treble ; ±12dB at 10kHz**
Suitable Speaker Impedance	**4-8 Ω**
Pre-Amp Output Voltage	**5.0V (CD play mode ; 1kHz 0dB)**
Subwoofer Output Voltage	**5.0V**
Pre-Amp Output Impedance	**60 Ω**
Subwoofer Output Impedance	**60 Ω**
AM Radio	
Frequency Range	**530 - 1,710kHz**
Usable Sensitivity	**27dB/ μ V (11 μ V, S/N 20dB)**
FM Stereo Radio	
Frequency Range	**87.9 - 107.9MHz**
Usable Sensitivity	**10.2dBf. (0.9 μ V,75 Ω)**
50dB Quieting Sensitivity	**15.2dBf.(1.6 μ V, 75 Ω)**
Frequency Response	**30 - 15kHz(±3dB)**
Alternate Channel Sensitivity	**75dB**
Stereo Separation	**35dB(1kHz)**
Image Response Ratio	**75dB**
IF Response Ratio	**100dB**
Signal /noise ratio	**62dB**
CD Player	
Sampling Frequency	**8 times Oversampling**
Error Correction System	**Panasonic Super Decoding Algorithm**
Pick-Up Type	**Astigma 3-beam**
Light Source	**Semiconductor Laser**
Wave Length	**780nm**
Frequency Response	**20Hz to 20,000Hz (±1dB)**
Signal to Noise Ratio	**95dB**
Total Harmonic Distortion	**0.02%(1kHz)**
Wow and Flutter	**Below measurable limits**
[CQ-HX1083U]	
MP3	
Bit Rate	
	MPEG 1 Audio Layer3:32k-320kbps
	MPEG 2 Audio Layer3:8k-160kbps
Sampling Frequency	**16kHz-48kHz**
WMA	
Bit Rate	**64k-192kbps**

Sampling Frequency	**32k-48kbps**
Dimensions**	**7"×1-15/16"×6-1/8" (178×50×155mm)**
Weight**	**3lbs 1.2oz (1.7kg)**

*** Specifications and the design are subject to possible modification without notice due to improvements.**

**** Dimensions and Weight shown are approximate.**

-Above specifications comply with EIA standards.

Panasonic®

IMPORTANT SAFETY NOTICE

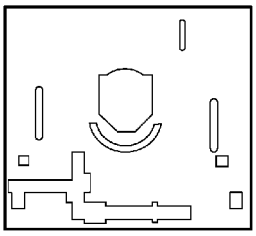
There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

1. LASER PRODUCTS

CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.
Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.



Deck Ass'y (Upper Side)

Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

2. FEATUERS

- Touch sensor control.
- Display color and patterns.
- Double security.
- CD player.
CD-R/RW playback
MP3 and WMA playback (CQ-HX1083U)
Super One-Chip Digital Circuit

3. REPLACING THE FUSE

Use fuses of the same specified rating (15amps). Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

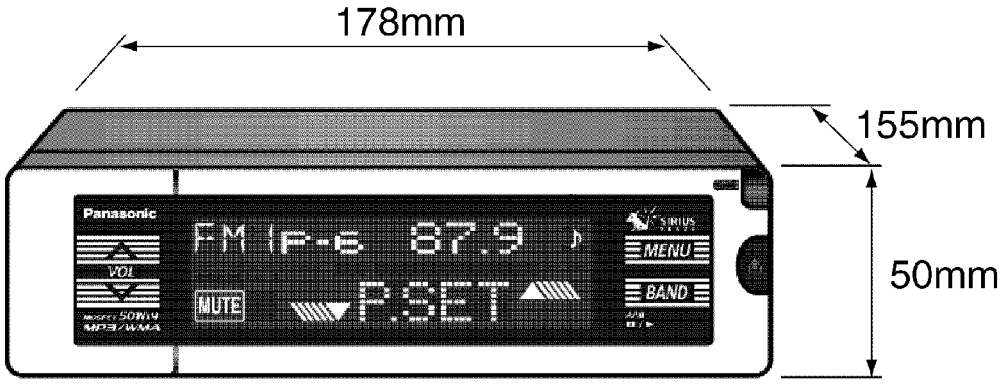
4. MAINTENANCE

Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

5. NOTES

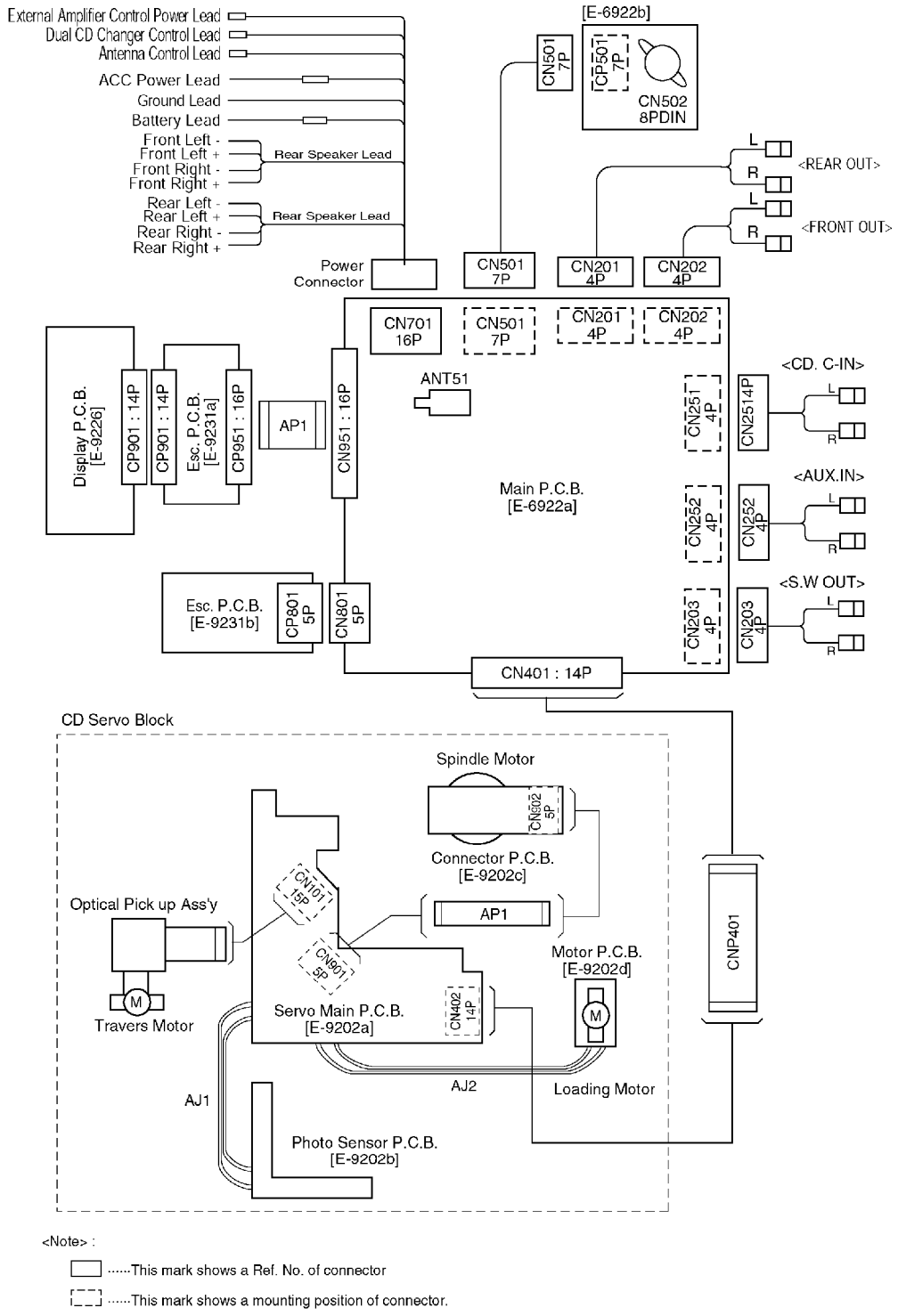
[RADIO BLOCK]
Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.
[CD DECK BLOCK]
This model has no servo alignment points because microcomputer controls the servo circuit.

6. DIMENSIONS



7. WIRING CONNECTION

7.1. CQ-HX1083U

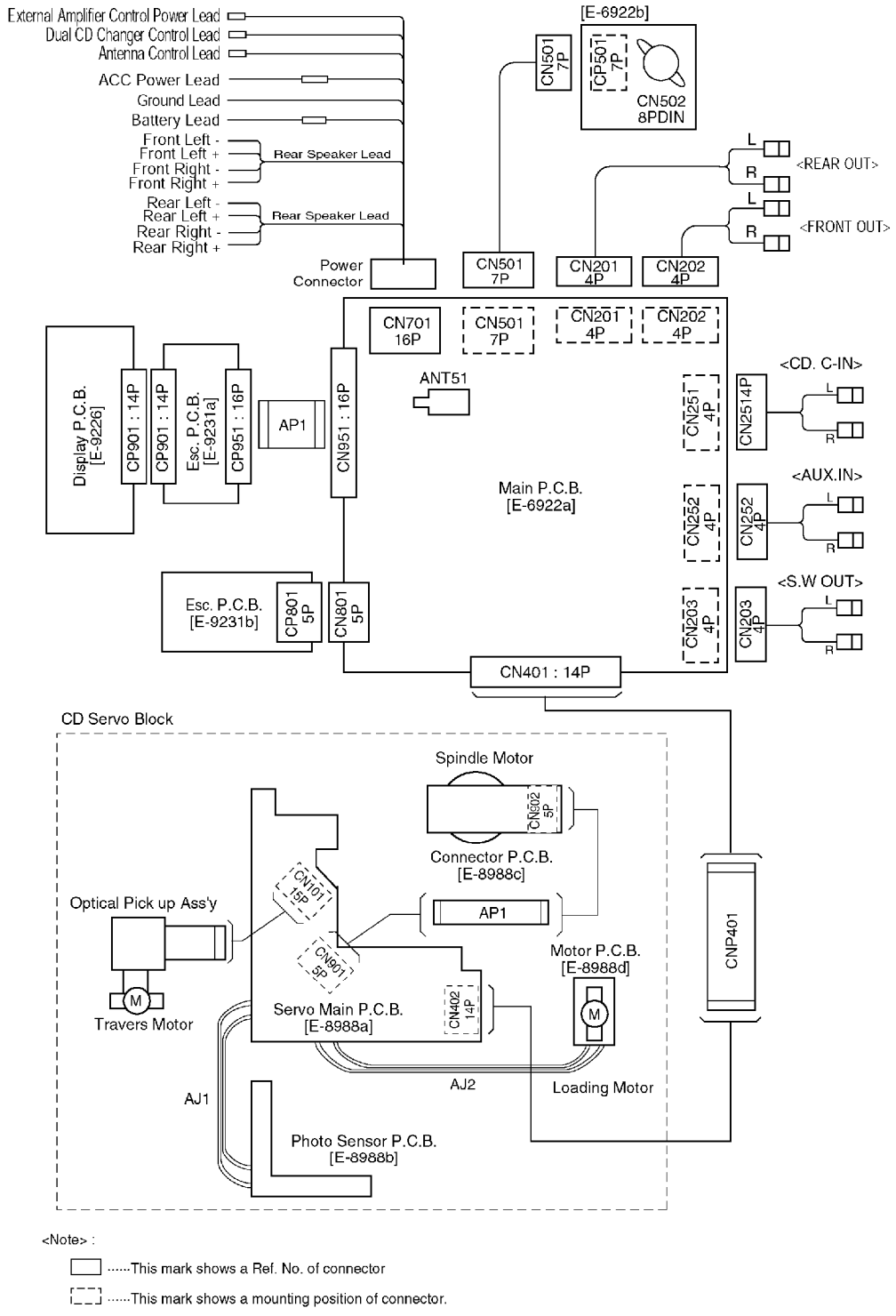


<Note> :

▭ .....This mark shows a Ref. No. of connector

[ ] .....This mark shows a mounting position of connector.

7.2. CQ-HR1003U



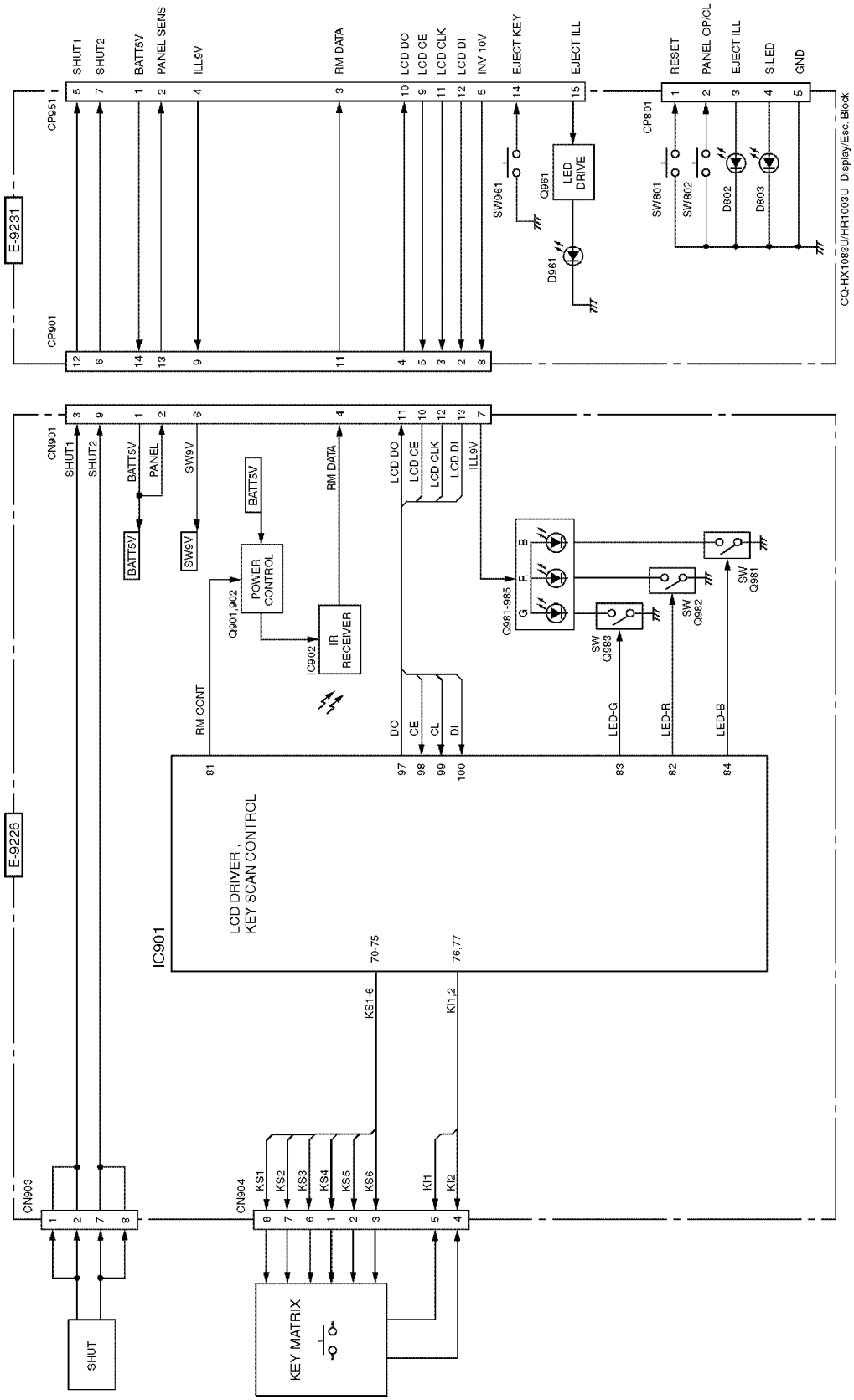
<Note> :

▭ .....This mark shows a Ref. No. of connector

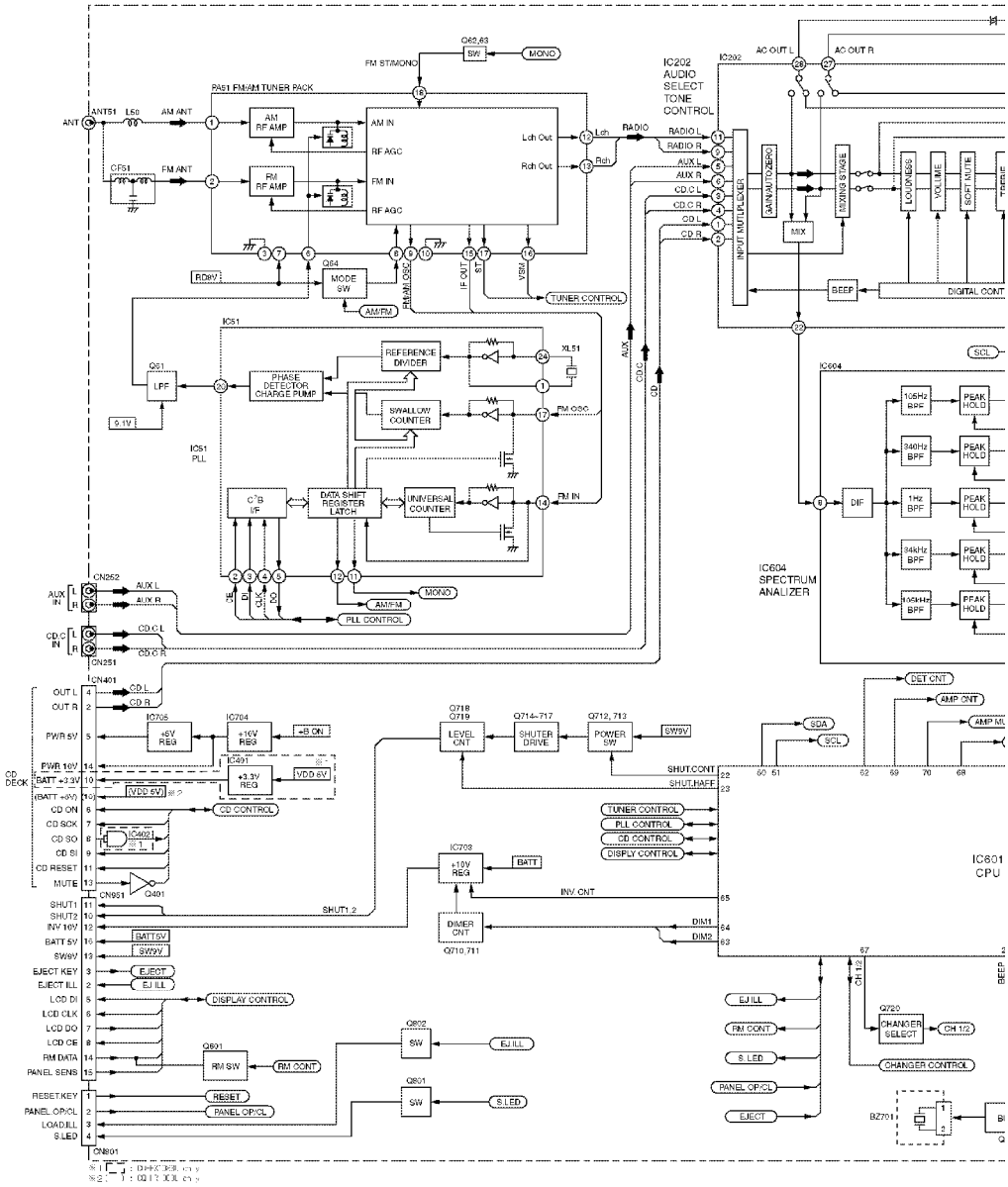
[ ] .....This mark shows a mounting position of connector.

8. BLOCK DIAGRAM

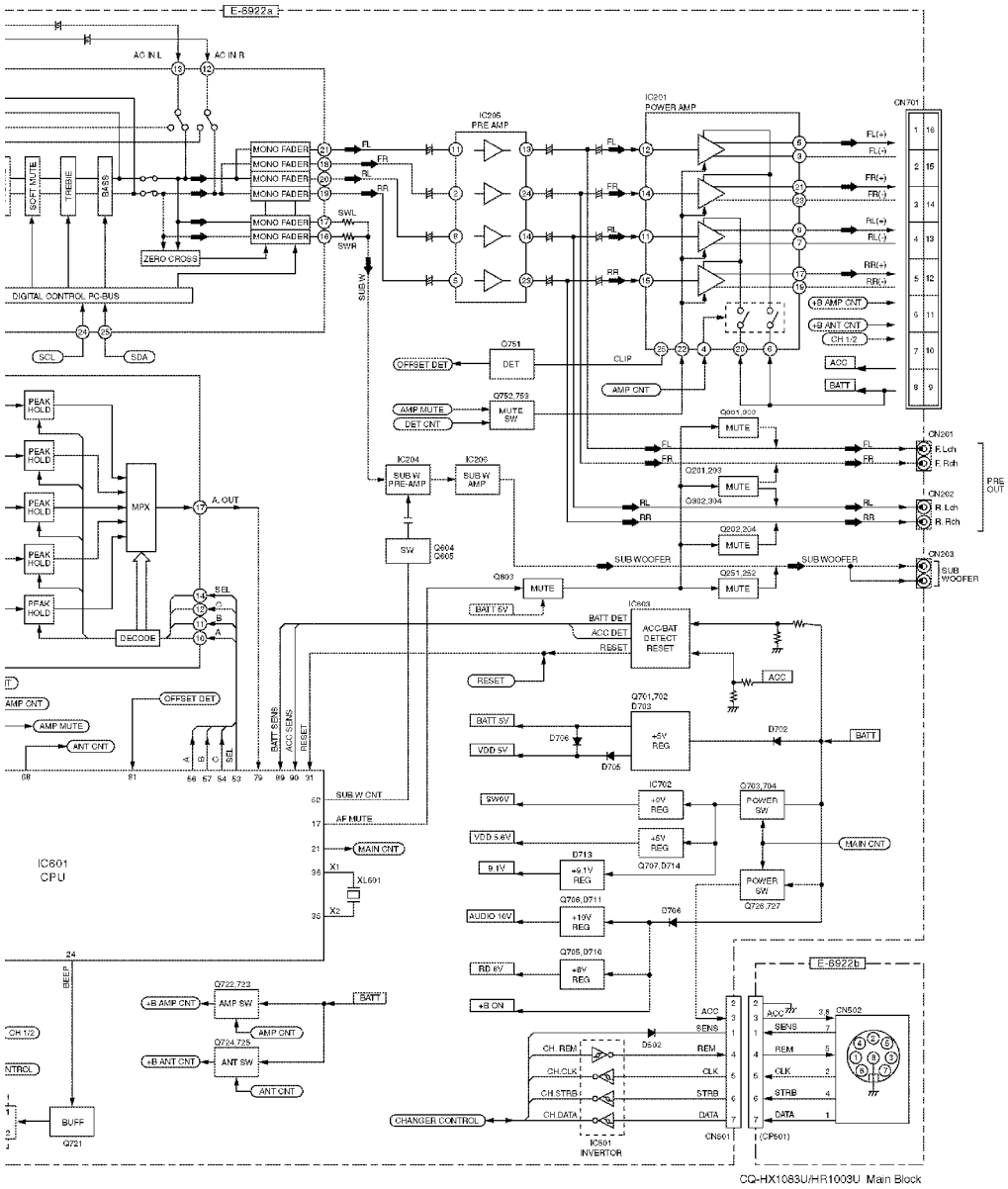
8.1. Display/Esc Block



8.2. Main Block-1

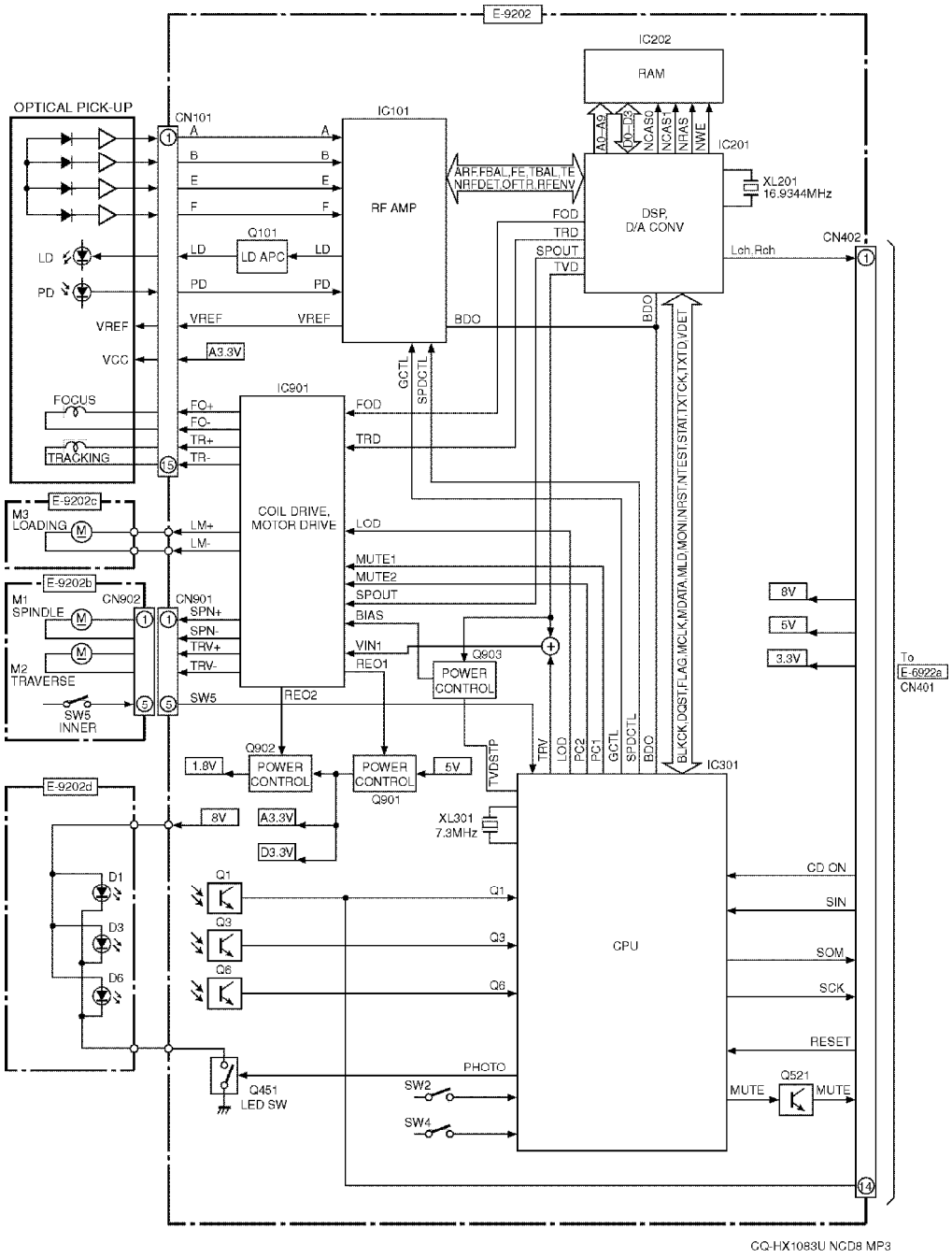


8.3. Main Block-2

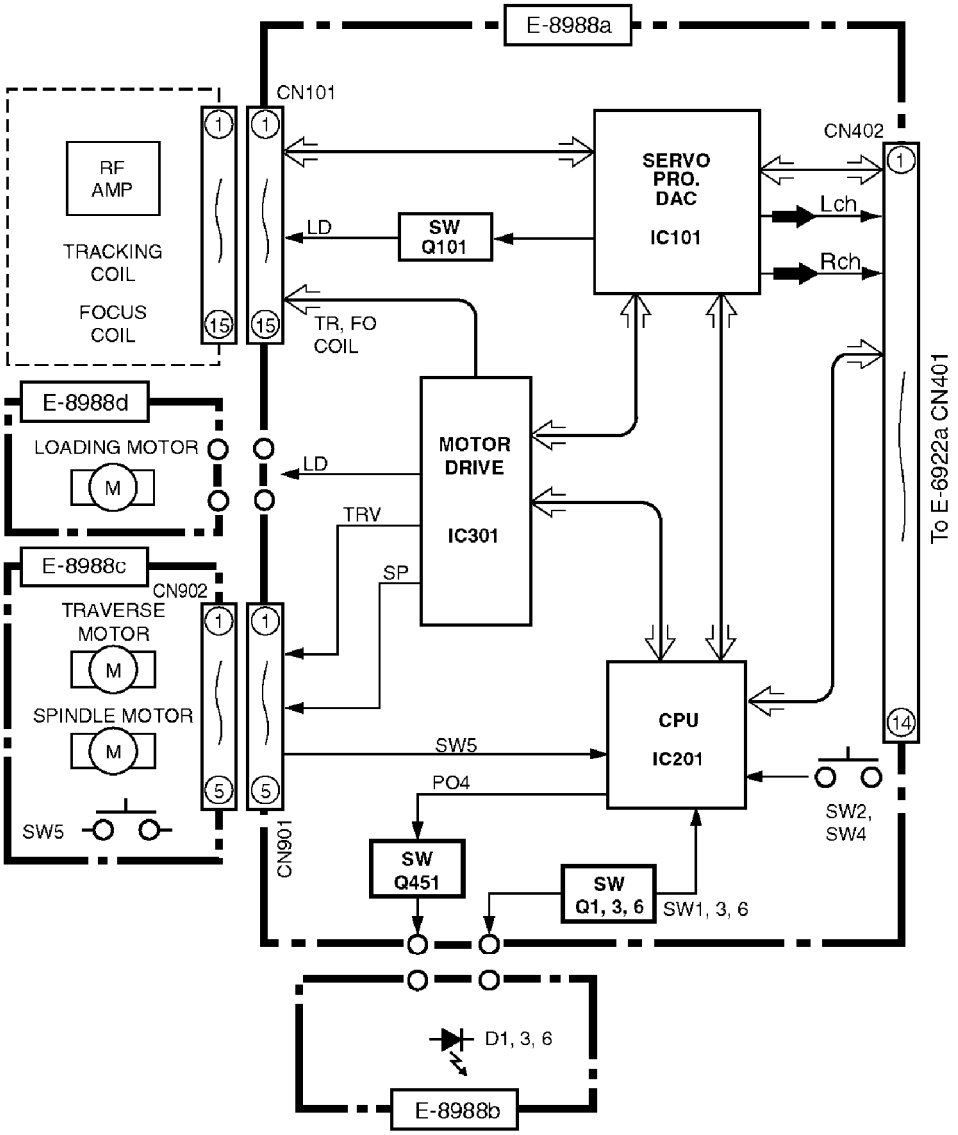


CQ-HX1083U/HR1003U Main Block

8.4. CD Servo Block [CQ-HX1083U]



8.5. CD Servo Block [CQ-HR1003U]



CQ-HR1003U NCD8 CD Servo Block

9. TERMINALS DESCRIPTION

9.1. Main Block [CQ-HX1083U]

IC601 C2DBKJ000130

Pin No.	Port	Descriptions	I/O / (V)	FM / (V)	AM (V)	CD (V)
1	NC	-	-	-	-	-
2	CH CLK	Changer data clock	I	0	0	0
3	CD SO	CD Deck serial data	I	1.5	1.5	4
4	CD SI	CD Deck serial data	O	0	0	1.3
5	CD SCK	CD Deck data clock	O	5.1	5.1	5.1
6	EVDD	+5V power supply	-	5.1	5.1	5.1
7	EVSS	Ground	-	0	0	0
8	CD ON	CD Deck ON signal	O	5.1	5.1	5.1
9	CD RESET	CD Deck reset	O	5.1	5.1	5.1
10	RM DATA	Remote controller data	I	4.9	4.9	4.9
11	RM CONT	Remoto Controller Output	O	0	0	0
12	NC	-	-	-	-	-
13	NC	-	-	-	-	-
14	NC	-	-	0	0	0
15	LCD CE	LCD driver selection	O	0	0	0
16	CD MUTE	CD mute signal	I	5.1	5.1	5.2
17	AF MUTE	Audio mute	O	5.1	5.1	5.1
18	VPP	(Registor pull down)	-	0	0	0
19	NC	-	-	-	-	-
20	SUB RST(NC)	-	-	0	0	0
21	MAIN CNT	Main power control	O	5.1	5.1	5.1
22	SHUT CONT	Shutter control	O	5.1	5.1	5.1
23	SHUT HAFF	Shutter penetratione effi. cont	O	0	0	0
24	BEEP	Beep output	O	0	0	0
25	CD PW CNT	CD power control	O	5.1	5.1	5.1
26	EJECT ILL	Eject LED control	O	5.1	5.1	5.1
27	S LED	S LED control	O	5.1	5.1	5.1
28	EP CS	Display Control	O	0	0	0
29	NC	-	-	-	-	-
30	NC	-	-	-	-	-
31	/RESET	System reset input	I	5.1	5.1	5.1
32	SUB XT1	(Connecting to ground)	-	0	0	0
33	SUB XT2(NC)	-	-	-	-	-
34	REGC	Capacitor terminal for Reg. Stabilization	-	3.3	3.3	3.3
35	X2	Crystal oscillator	-	1.5	1.5	1.5
36	X1	Crystal oscollator	-	1.4	1.4	1.4
37	VSS	Ground	-	0	0	0
38	VDD	+5V power supply	-	5	5	5
39	CLK OUT(NC)	-	-	-	-	-
40	NC	-	-	-	-	-
41	NC	-	-	-	-	-
42	NC	-	-	-	-	-
43	NC	-	-	-	-	-
44	NC	-	-	-	-	-
45	NC	-	-	-	-	-
46	NC	-	-	-	-	-
47	NC	-	-	-	-	-
48	RDS DATA(NC)	-	-	0	0	0
49	PLL CE	PLL chip enable	O	0	0	0
50	SDA	Volume control IC data	O	5.1	5.1	5.1
51	SCL	Volume control IC clock	O	5.1	5.1	5.1
52	SUB W-F CNT	Sub. woofer control	O	0	0	0
53	SPE SEL	Spectrum Analyzer IC select	O	0	0	0
54	SPE C	Spectrum Analyzer IC control	O	5.1	5.1	5.1

Pin No.	Port	Descriptions	I/O / (V)	FM / (V)	AM (V)	CD (V)
55	BVDD	+5V power supply (for bus I/F)	-	5.1	5.1	5.1
56	BVSS	Ground (for bus I/F)	-	0	0	0
57	SPE.B	Spectrum Analyzer IC control	O	0	5.1	5.1
58	SPE.A	Spectrum Analyzer IC control	O	5.1	5.1	5.1
59	NC	-	-	-	-	-
60	NC	-	-	-	-	-
61	NC	-	-	-	-	-
62	DET CNT	Detector control	O	0	0	0
63	DIM2	Dimmer control 2	O	0	0	0
64	DIM1	Dimmer control 1	O	0	0	0
65	INV CNT	Display back light control	O	5.1	5.1	5.1
66	DC/DC CNT(NC)	-	-	0	0	0
67	CD CH 1/2	Changer 1/2 select	O	0	0	0
68	ANT CNT	Antenna control	O	5.1	5.1	0
69	AMP CNT	Power IC standby control	O	5.1	5.1	5.1
70	AMP MUTE	Power IC mute control	O	0	0	0
71	AVDD	+5V power supply (for A/D converter)	-	5.1	5.1	5.1
72	AVSS	Ground (for A/D converter)		0	0	0
73	AVREF	Reference voltage (for A/D converter)	I	5.1	5.1	5.1
74	ST	FM stereo signal	I	4.9	4.9	4.9
75	SD	Tuner receiving signal strength	I	0.3	0	0
76	INIT A	Initialize input A	I	0	0	0
77	INIT B	Initialize input B	I	0	0	0
78	INIT C	Initialize input C	I	0	0	0
79	A.IN	Spectrum Analyzer level input	I	0	0	0
80	EXT MUTE	External mute	I	4.9	4.9	4.9
81	OFFSET DET	(Connecting to ground)	-	0	0	0
82	PANEL.OP/CL	Front panel open/close signal	I	0	0	5.2
83	EJECT	CD Eject switch signal	I	5.4	5.4	5.4
84	PNL.SENS	Front panel open/close sensor	I	5.4	5.4	5.4
85	CH SENS	Twin Changer Adaptor sensor	I	4.9	4.9	4.9
86	CH REM	Changer remote data	O	5.1	5.1	5.1
87	CH.STRB	Changer control strobe signal	I	0	0	0
88	RDS CLK(NC)	-	-	0	0	0
89	BATT SENS	Battery voltage sensor	I	5.1	5.1	5.1
90	ACC SENS	ACC voltage sensor	I	5.1	5.1	5.1
91	NC	-	-	-	-	-
92	NC	-	-	0	0	0
93	M W U REQ(NC)	-	-	0	0	0
94	PLL.DO (MI)	PLL data	I	4.9	4.9	5
95	PLL.DI (MO)	PLL data	O	0	0	0
96	PLL.CLK	PLL clock	O	5.1	5.1	0
97	EP DO	Display Control	O	0	4.5	4.5
98	EP DI	Display Control	I	0	0	0
99	EP CLK	Display Control	I	5.1	5.1	5.1
100	CH DATA	Changer data	I/O	0	0	0

9.2. Main Block [CQ-HR1003U]

IC601 C2DBKJ000132

Pin No.	Port	Descriptions	I/O / (V)	FM / (V)	AM (V)	CD (V)
1	NC	-	-	-	-	-
2	CH CLK	Changer data clock	I	0	0	0
3	CD SO	CD Deck serial data	I	1.5	1.5	4
4	CD SI	CD Deck serial data	O	0	0	1.3
5	CD SCK	CD Deck data clock	O	5.1	5.1	5.1
6	EVDD	+5V power supply	-	5.1	5.1	5.1
7	EVSS	Ground	-	0	0	0
8	CD ON	CD Deck ON signal	O	5.1	5.1	5.1
9	CD RESET	CD Deck reset	O	5.1	5.1	5.1
10	RM DATA	Remote controller data	I	4.9	4.9	4.9
11	RM CONT	Remoto Controller Output	O	0	0	0
12	NC	-	-	-	-	-
13	NC	-	-	-	-	-
14	NC	-	-	0	0	0
15	LCD CE	LCD driver selection	O	0	0	0
16	CD MUTE	CD mute signal	I	5.1	5.1	5.2
17	AF MUTE	Audio mute	O	5.1	5.1	5.1
18	VPP	(Registor pull down)	-	0	0	0
19	NC	-	-	-	-	-
20	SUB RST(NC)	-	-	0	0	0
21	MAIN CNT	Main power control	O	5.1	5.1	5.1
22	SHUT CONT	Shutter control	O	5.1	5.1	5.1
23	SHUT HAFF	Shutter penetratione effi. cont	O	0	0	0
24	BEEP	Beep output	O	0	0	0
25	CD PW CNT	CD power control	O	5.1	5.1	5.1
26	EJECT ILL	Eject LED control	O	5.1	5.1	5.1
27	S LED	S LED control	O	5.1	5.1	5.1
28	EP CS	Display Control	O	0	0	0
29	NC	-	-	-	-	-
30	NC	-	-	-	-	-
31	/RESET	System reset input	I	5.1	5.1	5.1
32	SUB XT1	(Connecting to ground)	-	0	0	0
33	SUB XT2(NC)	-	-	-	-	-
34	REGC	Capacitor terminal for Reg. Stabilization	-	3.3	3.3	3.3
35	X2	Crystal oscillator	-	1.5	1.5	1.5
36	X1	Crystal oscollator	-	1.4	1.4	1.4
37	VSS	Ground	-	0	0	0
38	VDD	+5V power supply	-	5	5	5
39	CLK OUT(NC)	-	-	-	-	-
40	NC	-	-	-	-	-
41	NC	-	-	-	-	-
42	NC	-	-	-	-	-
43	NC	-	-	-	-	-
44	NC	-	-	-	-	-
45	NC	-	-	-	-	-
46	NC	-	-	-	-	-
47	NC	-	-	-	-	-
48	RDS DATA(NC)	-	-	0	0	0
49	PLL CE	PLL chip enable	O	0	0	0
50	SDA	Volume control IC data	O	5.1	5.1	5.1
51	SCL	Volume control IC clock	O	5.1	5.1	5.1
52	SUB W-F CNT	Sub. woofer control	O	0	0	0
53	SPE SEL	Spectrum Analyzer IC select	O	0	0	0
54	SPE C	Spectrum Analyzer IC control	O	5.1	5.1	5.1

Pin No.	Port	Descriptions	I/O / (V)	FM / (V)	AM (V)	CD (V)
55	BVDD	+5V power supply (for bus I/F)	-	5.1	5.1	5.1
56	BVSS	Ground (for bus I/F)	-	0	0	0
57	SPE.B	Spectrum Analyzer IC control	O	0	5.1	5.1
58	SPE.A	Spectrum Analyzer IC control	O	5.1	5.1	5.1
59	NC	-	-	-	-	-
60	NC	-	-	-	-	-
61	NC	-	-	-	-	-
62	DET CNT	Detector control	O	0	0	0
63	DIM2	Dimmer control 2	O	0	0	0
64	DIM1	Dimmer control 1	O	0	0	0
65	INV CNT	Display back light control	O	5.1	5.1	5.1
66	DC/DC CNT(NC)	-	-	-	-	-
67	CD CH 1/2	Changer 1/2 select	O	0	0	0
68	ANT CNT	Antenna control	O	5.1	5.1	0
69	AMP CNT	Power IC standby control	O	5.1	5.1	5.1
70	AMP MUTE	Power IC mute control	O	0	0	0
71	AVDD	+5V power supply (for A/D converter)	-	5.1	5.1	5.1
72	AVSS	Ground (for A/D converter)	-	0	0	0
73	AVREF	Reference voltage (for A/D converter)	I	5.1	5.1	5.1
74	ST	FM stereo signal	I	4.9	4.9	4.9
75	SD	Tuner receiving signal strength	I	0.3	0	0
76	INIT A	Initialize input A	I	0	0	0
77	INIT B	Initialize input B	I	0	0	0
78	INIT C	Initialize input C	I	0	0	0
79	A.IN	Spectrum Analyzer level input	I	0	0	0
80	EXT MUTE	External mute	I	4.9	4.9	4.9
81	OFFSET DET	(Connecting to ground)	-	0	0	0
82	PANEL.OP/CL	Front panel open/close signal	I	0	0	5.2
83	EJECT	CD Eject switch signal	I	5.4	5.4	5.4
84	PNL.SENS	Front panel open/close sensor	I	5.4	5.4	5.4
85	CH SENS	Twin Changer Adaptor sensor	I	4.9	4.9	4.9
86	CH REM	Changer remote data	O	5.1	5.1	5.1
87	CH.STRB	Changer control strobe signal	I	0	0	0
88	RDS CLK(NC)	-	-	-	-	-
89	BATT SENS	Battery voltage sensor	I	5.1	5.1	5.1
90	ACC SENS	ACC voltage sensor	I	5.1	5.1	5.1
91	NC	-	-	-	-	-
92	NC	-	-	-	-	-
93	M W U REQ(NC)	-	-	-	-	-
94	PLL.DO (MI)	PLL data	I	4.9	4.9	5
95	PLL.DI (MO)	PLL data	O	0	0	0
96	PLL.CLK	PLL clock	O	5.1	5.1	0
97	EP DO	Display Control	O	0	4.5	4.5
98	EP DI	Display Control	I	0	0	0
99	EP CLK	Display Control	I	5.1	5.1	5.1
100	CH DATA	Changer data	I/O	0	0	0

9.3. Display Block

IC901 C0HBA0000048

Pin No.	Port	Description	I/O	(V)
1-59	S1-59	LCD segment data	O	3.2
60-69	COM10-1	LCD common	O	3.2
70-75	KS1-6	Key strobe	O	5.3
76,77	KI1,2	Key data	I	0
78-80	KI3-5	(Connecting to ground)	-	0
81	RM.CONT	I.R. receiver control	O	5.3
82	LED-R	Red LED on/off	O	5.3
83	LED-G	Green LED on/off	O	5.3
84	LED-B	Blue LED on/off	O	5.3
85	VDD	+5V power supply	-	5.3
86	VLCD	VLCD filter terminal	-	8.3
87	VLCD0	VLCD filter terminal	-	6.3
88	VLCD1	VLCD filter terminal	-	4.7
89	VLCD2	VLCD filter terminal	-	3.2
90	VLCD3	VLCD filter terminal	-	1.6
91	VLCD4	VLCD filter terminal	-	0
92	VSS	Ground	-	0
93	TEST	(Connecting to ground)	-	0
94	OSC0	Oscillator terminal	-	3.0
95	OSC1	Oscillator terminal	-	0
96	/INH	LCD driver inhibit	I	5.3
97	DO	Key data output	O	4.9
98	CE	LCD driver chip enable	I	0
99	CLK	LCD clock	I	4.9
100	DI	LCD data	I	0

9.4. CD Servo Block [CQ-HX1083U]

IC301 : MN101C61GAH

Pin No.	Port	Description	I/O	(V)
1	VREF-	Reference supply for AD converter (GND)	-	0
2	Q1	-	I	3.1
3	SW2	Disc push SW	I	3.3
4	Q3	-	I	2.9
5	SW4	Disc load SW	I	0
6	SW5	Eject SW	I	3.3
7	Q6	-	I	2.3
8	OUTC(NC)	-	-	-
9	VPP(NC)	-	-	-
10	VREF+	Reference supply for AD converter (+3.3V)	-	3.3
11	VDD	Power supply (+3.3V)	-	3.3
12	OSC2	Microcomputer system clock output (7.37MHz)	O	1.7
13	OSC1	Microcomputer system clock input (7.37MHz)	I	1.6
14	VSS	Ground	-	0
15	XI	Connected GND	-	0
16	XO (NC)	-	-	-
17	MMOD	Connected GND	-	0
18	(NC)	-	-	-
19	(NC)	-	-	-
20	(NC)	-	-	-
21	M DATA	Microcomputer command data signal	O	3.2
22	STAT	Servo LSI status signal	I	0.4
23	MCLK	Microcomputer command clock signal	O	3.1

Pin No.	Port	Description	I/O	(V)
24	MLD	Microcomputer command load signal	O	3.3
25	M RESET	Microcomputer reset input	I	3.3
26	RMOLT(NC)	-	-	-
27	PC1	Loading driver output cut	O	0
28	TCI02(NC)	-	-	-
29	MONI	ON/OFF control output of spindle motor	O	0
30	TVDSTP	-	-	3.2
31	BLKCK	BLKCK signal	I	0
32	DÇpSY	CD-TEXT/SUBQ synchronizing signal	I	0
33	IRQ2/P22	Connected GND	-	0
34	CD ON	Operation mode signal	I	2.9
35	FLAG	FLAG output signal	O	0
36	SB03/P30(NC)	-	-	-
37	TX TD	-	-	0
38	TX TCK	-	-	3.3
39	BDO	Drop signal output	O	0
40	N TEST	N TEST signal output	O	3.3
41	P35(SCKM)	Serial data shift clock	-	4
42	P36(SIM)	Sereal data input	-	0.5
43	P37(NC)	-	-	-
44	SOM	Sereal data output	O	2.4
45	SIM	Sereal data input	I	0.5
46	SCKM	Serial data shift clock	I	4
47	TEST1(NC)	-	-	-
48	TEST2(NC)	-	-	-
49	TEST3(NC)	-	-	-
50	TEST4(NC)	-	-	-
51	N RST	Reset input	I	3.3
52	PHOTO	Photo seser output	O	0.9
53	MUTE	Muting input	I	3.1
54	EXT1	Vibration detection input	I	1.6
55	LOD	Loading motor control	I	1.7
56	P54/A17(NC)	-	-	-
57	P60/A0(NC)	-	-	-
58	P61/A1(NC)	-	-	-
59	P62/A2(NC)	-	-	-
60	P63/A3(NC)	-	-	-
61	SW5	Inner track detection	I	3.3
62	P65/A5(NC)	-	-	-
63	P66/A6(NC)	-	-	-
64	P67/A7(NC)	-	-	-
65	P70/SD00(NC)	-	-	-
66	P71/SD01(NC)	-	-	-
67	P72/A10/SD02(NC)	-	-	-
68	P73	Connected GND	-	0
69	P74	Connected GND	-	0
70	P75 (NC)	-	-	-
71	GCTL	RF amplifier gain control	O	1.6
72	SPDCTL	RF amplifier gain control	O	3.3
73	PC2	Actuator drive control output	O	3.3
74	TRV	Traverse motor control output	O	1.7
75	P85(NC)	-	-	-
76	P84(NC)	-	-	-
77	P83(NC)	-	-	-

Pin No.	Port	Description	I/O	(V)
78	P82(NC)	-	-	-
79	P81(NC)	-	-	-
80	P80(NC)	-	-	-

9.5. CD Servo Block [CQ-HR1003U]

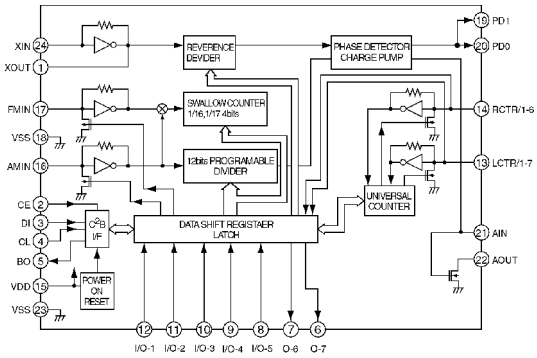
IC201 : C2BBFD000365

Pin No.	Port	Description	I/O	(V)
1	A0	Address output	O	3.8
2	/RST	Servo processor reset	O	5.1
3	RFOK	Servo processor RFOK signal	I	4.9
4	/PS2	IC301 mute	O	5.1
5	/PC1	IC301 mute	O	0
6	TRV	Toraverse motor control	O	2.5
7	LOD	Loading motor control	O	2.5
8	PS2	Not used	-	-
9	PC1	Not used	-	-
10	PC	Not used	-	-
11	IFR	(Connecting to ground)	-	0
12	NC	No connection	-	-
13	VPP	Not used	-	-
14	X2	Crystal oscillator	-	3.3
15	X1	Crystal oscillator	-	2.9
16	VSS	Ground	-	0
17	VDD	+5V power supply	-	5.1
18	/RESET	Reset input	I	5.1
19	TP19	Not used	-	-
20	TP20	Not used	-	-
21	TP21	Not used	-	-
22	AMUTE	AF mute	O	0
23	CDON	CD power on	I	5.0
24	INTP1	(Connecting to ground)	-	0
25	INTP0	(Connecting to ground)	-	0
26	SIMO	Serial data	I	0
27	SOMI	Serial data	O	2.9
28	SCKM	Shift clock for serial data	I	5.0
29	Q1 SW1	Disc in sensor signal	I	4.6
30	Q3 SW3	Disc out sensor signal	I	4.6
31	Q6 SW6	(Option sensor)	I	4.7
32	SW4	Disc clamp	I	0
33	SW5	Inner SW	I	4.9
34	SW2	Feeder arm	I	5.1
35	TP35	Not used	-	-
36	TP36	Not used	-	-
37	TP37	Not used	-	-
38	VDD	+5V power supply	-	5.1
39	VSS	Ground	-	0
40	/XEN	Servo processor XEN signal	O	0
41	SI	Serial data	O	3.1
42	SO	Serial data	I	0.7
43	/SCK	Shift clock	O	3.6
44	/STB	Strobe	O	5.0

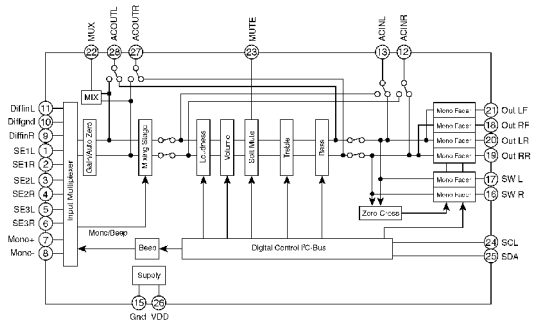
10. PACKAGE AND IC BLOCK DIAGRAM

10.1. Main Block

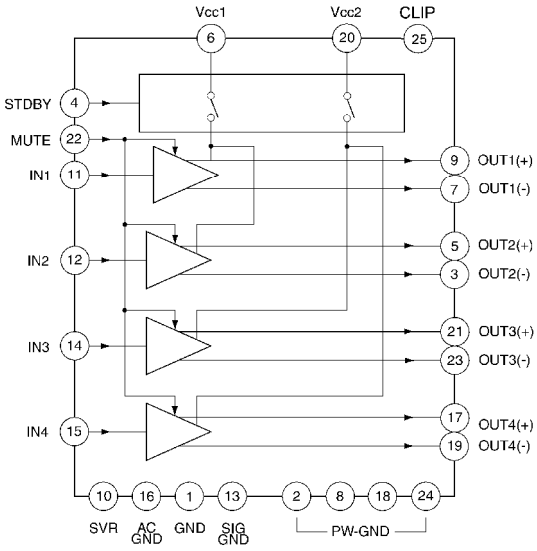
IC51 : C1BB00000644



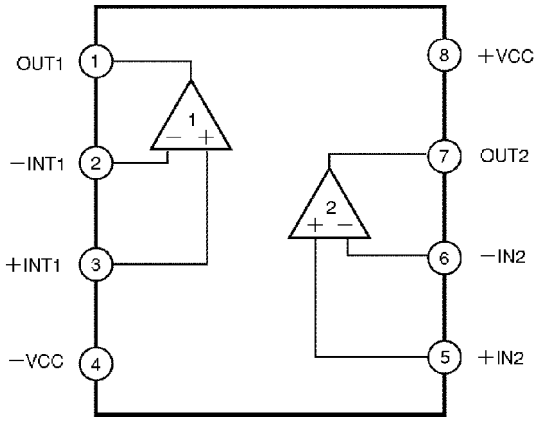
IC202 : C1BB00000543



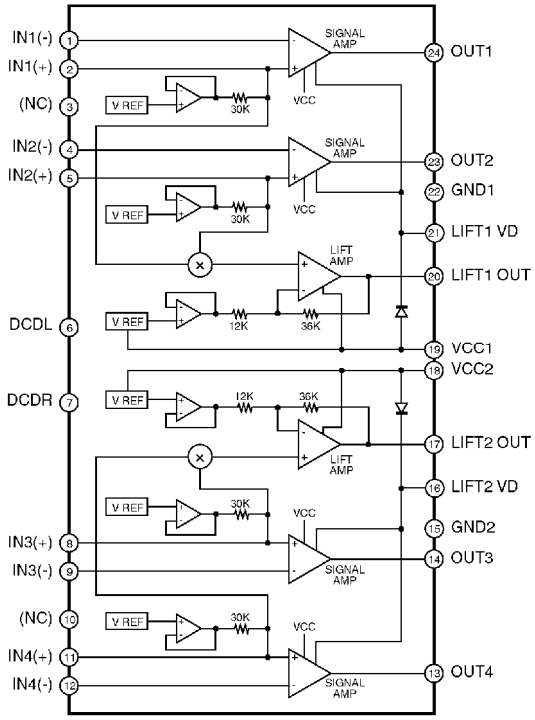
IC201 : C1EA00000029



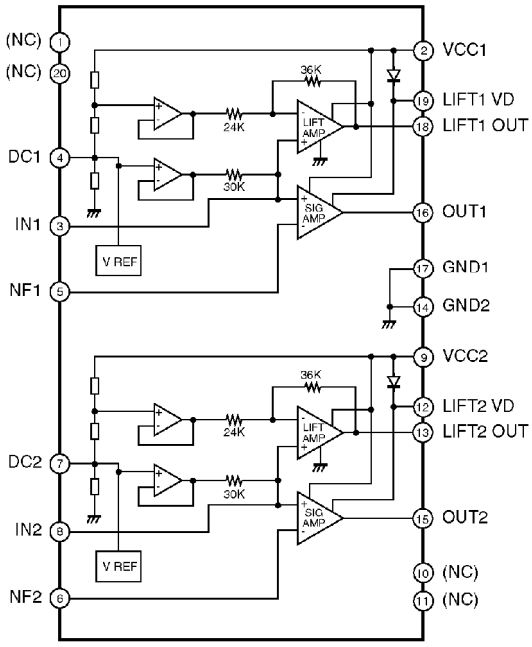
IC204 : YEAMPC4570T1



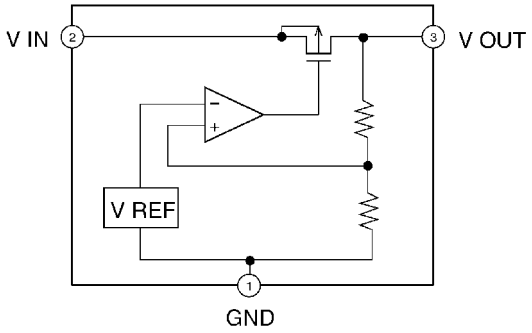
IC205 : C1BB00000649



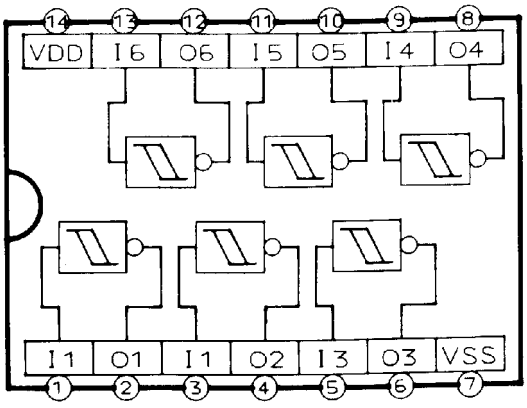
IC206 : C1BB00000650



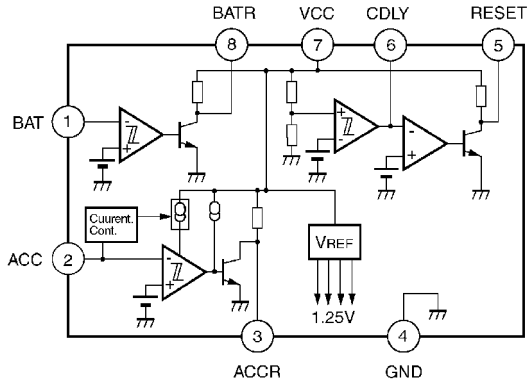
IC401 : YEAM7200U33T



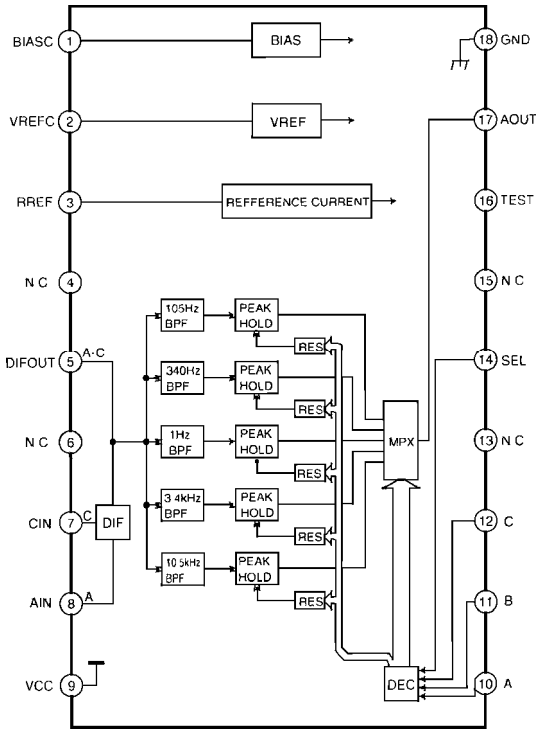
IC501 : YEAMC14584BE



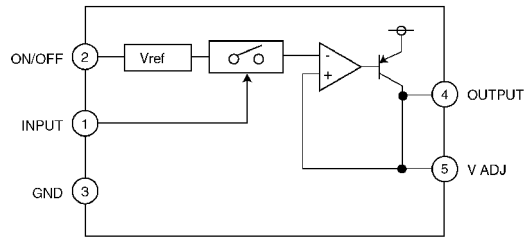
IC603 : AN8065SE1



IC604 : YEAMBA3835FE

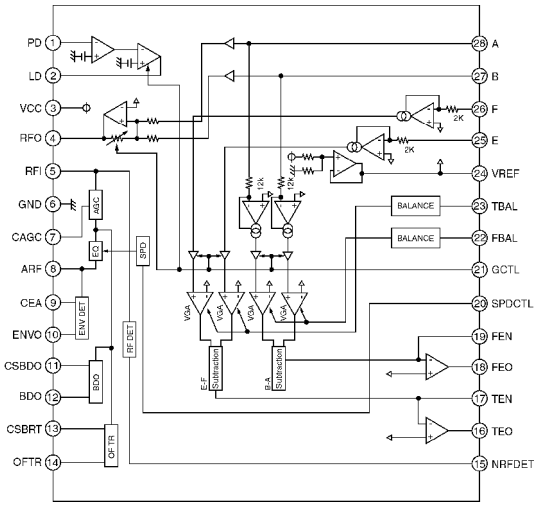


IC703,704 : C0CAAYG00005

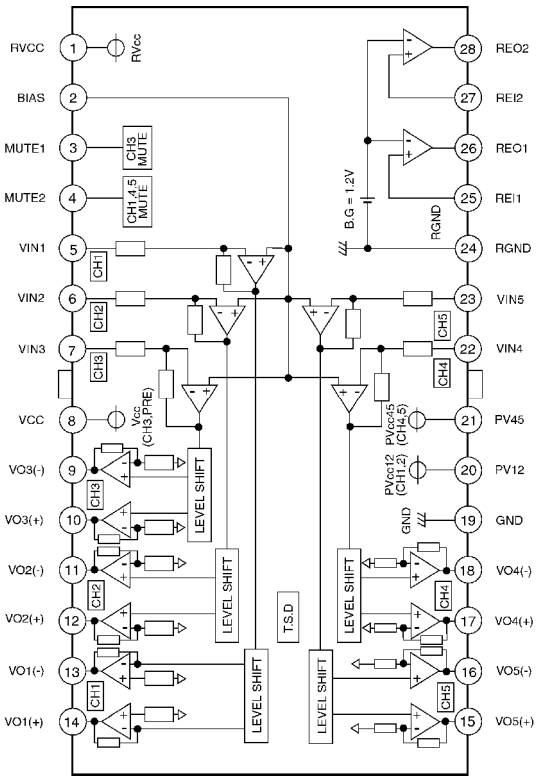


10.2. CD Servo Block [CQ-HX1083U]

IC101 : C1BB00000624

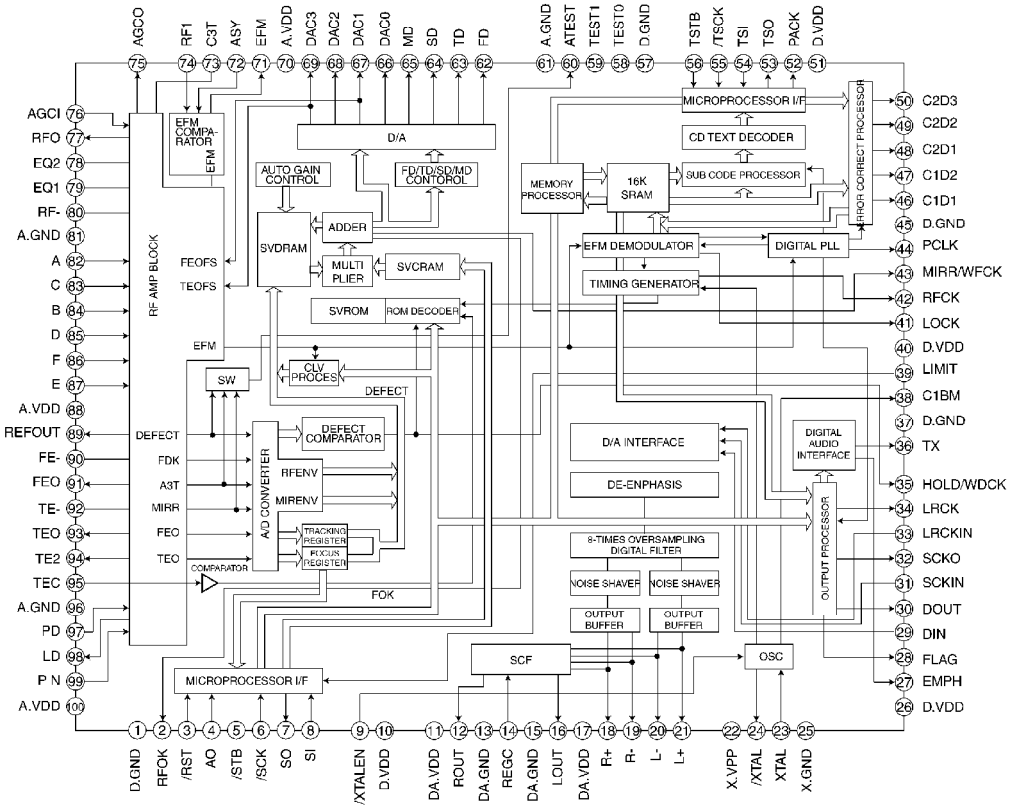


IC901 : C0GBY0000012

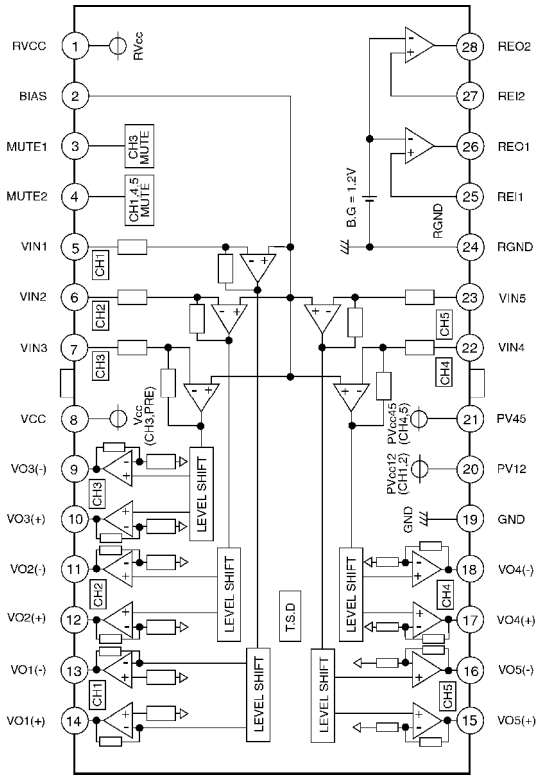


10.3. CD Servo Block [CQ-HR1003U]

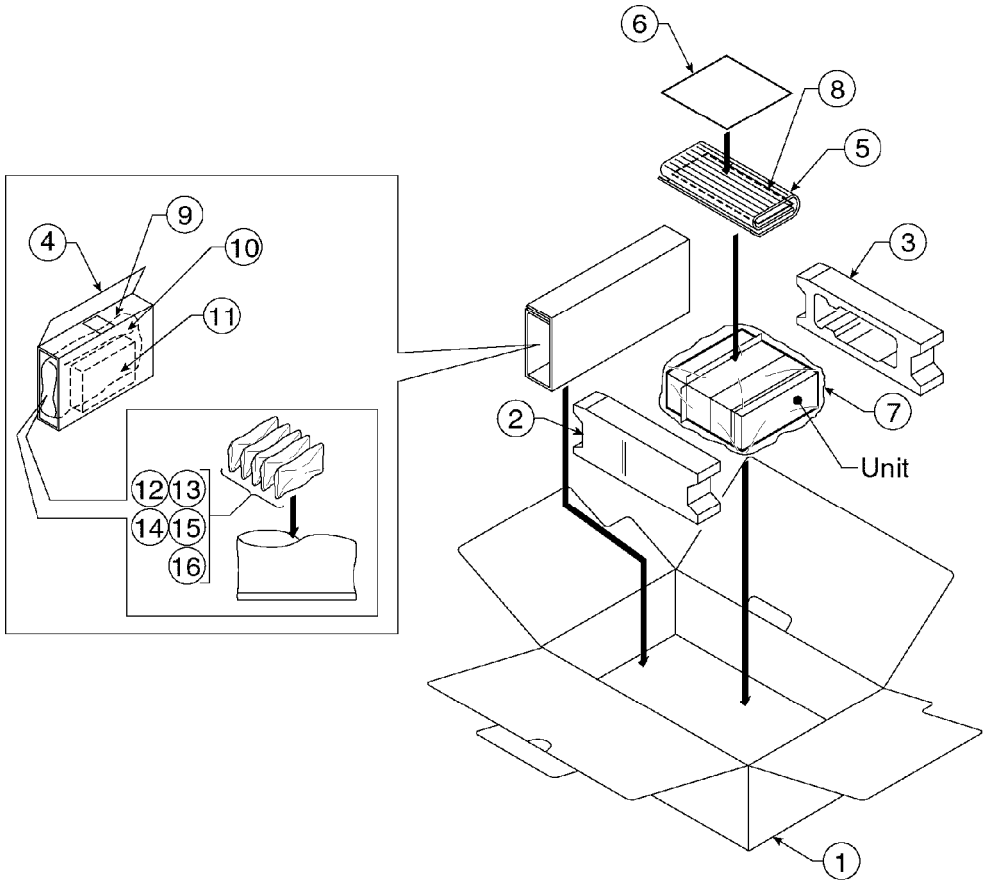
IC101 C1BB00000414



IC301 : C0GBY0000012



11. PACKING PARTS LIST



- Item numbers listed below should not order regular spare parts. (not available)

Item No.	Parts No.	Parts Name & Description	Q'ty	Remarks
1	-	Inner Carton	1	Not available
2	-	Packing Pad (L)	1	Not available
3	-	Packing Pad (R)	1	Not available
4	-	Packing Pad (A)	1	Not available
5	-	Packing Pad (B)	1	Not available
6	-	Operating Instructions Kit	(1)	Not available
	YEFM283954	Operating Instructions	(1)	
		Operating Guide for Sirius	(1)	Not available
		Operation Guide	(1)	Not available
		Warranty Card for USA	(1)	Not available
		Warranty Card for Canada	(1)	Not available
		Service Center List for USA	(1)	Not available
7	YEFX0215873	Mounting Collar	1	
8	YEFC05588A	Trim Plate	1	
9	YEFG04019	Rear Support Strap	1	
10	YEAJ02871	Power Connector	1	
11	YEFA131617	Removable Face Plate Case	1	
12	YEFX9992684	Remote Control Unit	1	

Item No.	Parts No.	Parts Name & Description	Q'ty	Remarks
13	YEFX9991793	Wiping Cloth for the Touch Panel	1	
14	YEP9FZ3157	Mounting Bracket	1	
15	FEP0FZ3158	Screws Kit (Lock Cancel Plate)	1	
16	CR2025/1F	Lithium Battery (CR2025)	1	

12. REPLACEMENT PARTS LIST [CQ-HX1083U]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The**

retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Ref. No.	Part No.	Part Name & Description	Remarks
[E6922] Main Block			
IC's and TRANSISTORs			
IC51	C1BB00000644	IC	
IC201	C1EA00000029	IC	
IC202	C1BB00000543	IC	
IC204	YEAMPC4570T1	IC	
IC205	C1BB00000649	IC	
IC206	C1BB00000650	IC	
IC401	YEAM7200U33T	IC	
IC402	YEAMT7ST32UL	IC	
IC501	YEAMC14584BE	IC	
IC601	C2DBKJ000130	IC	
IC603	AN8065SE1	IC	
IC604	YEAMBA3835FE	IC	
IC702	C0CBZZE00001	IC	
IC703	C0CAAYG00005	IC	
IC704	C0CAAYG00005	IC	
IC705	YEAMPC7805H	IC	
PA51	C5BA00000109	Electronic Tuner	
Q61	YEAN2SK536TB	Transistor	
Q62	B1GDCFJJ0002	Transistor	
Q63	B1GBCFNN0004	Transistor	
Q64	YEANFP1F3PT1	Transistor	
Q201	B1GBHBEA0004	Transistor	
Q202	B1GBHBEA0004	Transistor	
Q203	B1GDCFJJ0002	Transistor	
Q204	B1GDCFJJ0002	Transistor	
Q251	B1GBHBEA0004	Transistor	
Q252	B1GDCFJJ0002	Transistor	
Q301	B1GBHBEA0004	Transistor	
Q302	B1GBHBEA0004	Transistor	
Q303	B1GDCFJJ0002	Transistor	
Q304	B1GDCFJJ0002	Transistor	
Q401	B1GBCFNN0004	Transistor	
Q601	B1GDCFJJ0002	Transistor	
Q603	B1GDCFJJ0002	Transistor	
Q604	B1GBHBEA0004	Transistor	
Q605	B1GDCFJJ0002	Transistor	
Q701	B1BBAC000007	Transistor	
Q702	B1BBAC000007	Transistor	
Q703	YEANHQ1F3PT1	Transistor	
Q704	YEANC114YKX	Transistor	
Q705	2SD2139TA	Transistor	
Q706	B1BBAC000007	Transistor	
Q707	B1BBAC000007	Transistor	
Q710	B1GBCFNN0004	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q711	B1GBCFNN0004	Transistor	
Q712	YEANFP1F3PT1	Transistor	
Q713	YEANC114YKX	Transistor	
Q714	B1GBCFNN0004	Transistor	
Q715	B1GBCFNN0004	Transistor	
Q716	B1GBCFNN0004	Transistor	
Q717	B1GBCFNN0004	Transistor	
Q718	B1GBCFNN0004	Transistor	
Q719	B1GBCFNN0004	Transistor	
Q720	B1GBCFNN0004	Transistor	
Q721	YEANC114YKX	Transistor	
Q722	YEANHQ1F3PT1	Transistor	
Q723	YEANC114YKX	Transistor	
Q724	YEANHQ1F3PT1	Transistor	
Q725	YEANC114YKX	Transistor	
Q726	YEANHQ1F3PT1	Transistor	
Q727	YEANC114YKX	Transistor	
Q751	B1GBCFNN0004	Transistor	
Q752	YEANC114YKX	Transistor	
Q753	B1GBCFNN0004	Transistor	
Q801	B1GDCFJJ0002	Transistor	
Q802	B1GDCFJJ0002	Transistor	
DIODEs			
D501	MA721TX	Diode	
D502	MA3X152A0L	Diode	
D701	YEADDAM3MA47	Diode	
D702	MA721TX	Diode	
D703	YEADRD56M3T1	Diode	
D704	MA721TX	Diode	
D705	MA721TX	Diode	
D706	MA721TX	Diode	
D708	MA736TX	Diode	
D709	YEADRD82M1T1	Diode	
D710	MA3X152K0L	Diode	
D711	B0BC9R600001	Diode	
D712	MA721TX	Diode	
D713	YEADRD91JS1T	Diode	
D714	YEADRD56M2T1	Diode	
D721	MA736TX	Diode	
D722	MA736TX	Diode	
D723	MA736TX	Diode	
D724	MA736TX	Diode	
D725	MA736TX	Diode	
D726	MA736TX	Diode	
D727	MA736TX	Diode	
D728	MA736TX	Diode	
CAPACITORs			
C52	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C53	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C54	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C55	YECUS1H273KX	Ceramic, 0.0027 μ F 50WV	
C56	YECUS1H273KX	Ceramic, 0.0027 μ F 50WV	
C57	YECUS1H102KX	Ceramic, 0.001 μ F 50WV	
C59	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C60	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C61	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C62	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C63	ECQV1H224B46	Plastic Film, 0.22 μ F 50WV	
C64	YECUZ1E223KX	Ceramic, 0.022 μ F 25WV	
C65	YECUS1H101JM	Ceramic, 100PF 50WV	
C66	F2A0J101A164	Electrolytic, 100 μ F 6.3WV	
C67	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C68	F1J1H120A025	Ceramic, 12PF 50WV	
C69	F1J1H120A025	Ceramic, 12PF 50WV	
C78	YECUS1H470JC	Ceramic, 47PF 50WV	
C81	F3F1E105A001	Tantalum, 1 μ F 25WV	
C201	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C202	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C203	F2A1H1R0A154	Electrolytic, 1 μ F 50WV	
C204	F2A1H1R0A154	Electrolytic, 1 μ F 50WV	
C205	ECEA1HKSR33I	Electrolytic, 0.33 μ F 50WV	
C206	F2A1H1R0A154	Electrolytic, 1 μ F 50WV	
C207	F2A1H2R2A154	Electrolytic, 2.2 μ F 50WV	
C208	F2A1H3R3A154	Electrolytic, 3.3 μ F 50WV	
C209	F2A1H3R3A154	Electrolytic, 3.3 μ F 50WV	
C210	F2A1H3R3A154	Electrolytic, 3.3 μ F 50WV	
C211	F2A1H3R3A154	Electrolytic, 3.3 μ F 50WV	
C212	YECUS1H221JC	Ceramic, 220PF 50WV	
C213	YECUS1H221JC	Ceramic, 220PF 50WV	
C214	ECEA1HKSR47I	Electrolytic, 0.47 μ F 50WV	
C215	ECEA1HKSR47I	Electrolytic, 0.47 μ F 50WV	
C216	YECUS1H472KX	Ceramic, 0.047PF 50WV	
C217	YECUS1H472KX	Ceramic, 0.047PF 50WV	
C218	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C250	F2A1H3R3A154	Electrolytic, 3.3 μ F 50WV	
C252	F1J1C184A006	Ceramic, 0.18 μ F 16WV	
C253	YECUZ1C823KX	Ceramic, 0.082 μ F 16WV	
C256	F1J1C184A006	Ceramic, 0.18 μ F 16WV	
C257	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C259	F2A1H3R3A154	Electrolytic, 3.3 μ F 50WV	
C263	F2A1H1R0A154	Electrolytic, 1 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C264	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C265	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C266	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C267	F2A1C470A150	Electrolytic, 47 μ F 16WV	
C268	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C269	F2A1C101A150	Electrolytic, 100 μ F 16WV	
C270	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C271	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C272	ECA1CDT472Y	Electrolytic, 4700 μ F 16WV	
C273	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C274	F2A1H2R2A154	Electrolytic, 2.2 μ F 50WV	
C275	ECEA1AKS470I	Electrolytic, 47 μ F 10WV	
C276	F2A1H1R0A154	Electrolytic, 1 μ F 50WV	
C278	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C279	F2A1C101A150	Electrolytic, 100 μ F 16WV	
C280	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C281	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C282	F2A1C470A150	Electrolytic, 47 μ F 16WV	
C283	YECUS1H221JC	Ceramic, 220PF 50WV	
C284	YECUS1H221JC	Ceramic, 220PF 50WV	
C285	YECUS1H221JC	Ceramic, 220PF 50WV	
C301	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C302	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C303	F2A1H1R0A154	Electrolytic, 1 μ F 50WV	
C304	F2A1H1R0A154	Electrolytic, 1 μ F 50WV	
C305	ECEA1HKSR33I	Electrolytic, 0.33 μ F 50WV	
C306	F2A1H1R0A154	Electrolytic, 1 μ F 50WV	
C307	F2A1H2R2A154	Electrolytic, 2.2 μ F 50WV	
C308	F2A1H3R3A154	Electrolytic, 0.33 μ F 50WV	
C309	F2A1H3R3A154	Electrolytic, 0.33 μ F 50WV	
C310	F2A1H3R3A154	Electrolytic, 0.33 μ F 50WV	
C311	F2A1H3R3A154	Electrolytic, 0.33 μ F 50WV	
C312	YECUS1H221JC	Ceramic, 220PF 50WV	
C313	YECUS1H221JC	Ceramic, 220PF 50WV	
C314	ECEA1HKSR47I	Electrolytic, 0.47 μ F 50WV	
C315	ECEA1HKSR47I	Electrolytic, 0.47 μ F 50WV	
C316	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C317	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C368	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C369	F2A1C101A150	Electrolytic, 100 μ F 16WV	
C383	YECUS1H221JC	Ceramic, 220PF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C384	YECUS1H221JC	Ceramic, 220PF 50WV	
C385	YECUS1H221JC	Ceramic, 220PF 50WV	
C401	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C405	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C406	ECEA0JKS220I	Electrolytic, 22 μ F 6.3WV	
C407	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C408	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C409	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C501	F2A0J470A164	Electrolytic, 47 μ F 6.3WV	
C502	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C601	EECS0HD473H	Electrolytic, 47 μ F 5.5WV	
C602	F2A0J331A164	Electrolytic, 330 μ F 6.3WV	
C603	F2A1H2R2A154	Electrolytic, 2.2 μ F 50WV	
C604	F1H1H100A226	Ceramic, 10PF 50WV	
C605	F1H1H120A231	Ceramic, 12PF 50WV	
C606	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C607	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C608	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C609	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C610	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C611	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C612	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C613	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C614	F2A1H1R0A154	Electrolytic, 1 μ F 50WV	
C681	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C682	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C683	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C686	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C687	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C701	ECA1CM471	Electrolytic, 470 μ F 16WV	
C703	F2A1H4R7A154	Electrolytic, 4.7 μ F 50WV	
C704	F2A0J470A164	Electrolytic, 47 μ F 6.3WV	
C705	ECA1CDT222U	Electrolytic, 2200 μ F 16WV	
C706	F2A1A101A144	Electrolytic, 100 μ F 10WV	
C707	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C708	F2A1A101A144	Electrolytic, 100 μ F 10WV	
C709	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C710	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C712	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C713	EEAFC1A820H	Electrolytic, 82 μ F 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C714	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C715	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C716	YECUS1E224ZF	Ceramic, 0.22 μ F 25WV	
C717	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C718	ECEA1AKS470I	Electrolytic, 47 μ F 10WV	
C722	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C723	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C724	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C725	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C726	F1J1C184A006	Ceramic, 0.18 μ F 16WV	
C728	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C729	YECUZ1E104ZF	Ceramic, 0.1 μ F 25WV	
C751	YECUS1E224ZF	Ceramic, 0.22 μ F 25WV	
C752	EEAFC1C560H	Electrolytic, 56 μ F 16WV	
C757	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C758	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C759	F2A0J101A164	Electrolytic, 100 μ F 6.3WV	
C760	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C761	F2A1C101A150	Electrolytic, 100 μ F 16WV	
C762	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C764	YECUZ1E104ZF	Ceramic, 0.1 μ F 25WV	
C771	F1K1E334A022	Ceramic, 0.33 μ F 25WV	
C772	EEAFC1C560H	Electrolytic, 56 μ F 16WV	
C773	YECUX1C334KX	Ceramic, 0.33 μ F 16WV	
RESISTORs			
J400	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J401	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J402	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J403	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J404	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J405	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J406	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J407	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J410	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J412	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J413	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J414	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J415	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J416	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J420	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J500	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
J501	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J502	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J503	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J504	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R50	ERJ6GEYJ5R6	Chip, 5.6 Ω 1/10W	
R53	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R54	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R55	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R56	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R59	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R61	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R62	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R63	ERJ3GEYJ182V	Chip, 1.8 Ω 1/16W	
R64	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
R65	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R66	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R67	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R68	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R73	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R76	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R81	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R82	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R83	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R84	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R85	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R86	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R87	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R88	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R89	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R201	ERJ6GEYJ102	Chip, 0 Ω 1/10W	
R202	ERJ6GEYJ102	Chip, 0 Ω 1/10W	
R203	ERJ6GEYJ563	Chip, 56k Ω 1/10W	
R204	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R205	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R206	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R207	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R208	ERJ6GEYJ183	Chip, 18k Ω 1/10W	
R211	ERJ3GEYJ273V	Chip, 27k Ω 1/16W	
R212	ERJ6GEYJ273	Chip, 27k Ω 1/10W	
R213	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R214	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R215	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R216	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R217	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R220	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R221	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R222	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R231	ERJ3GEYJ100V	Chip, 10 Ω 1/16W	
R232	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
R250	ERJ3GEYJ224V	Chip, 220k Ω 1/16W	
R251	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R253	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R255	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R256	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R262	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R263	ERJ6GEYJ273	Chip, 27k Ω 1/10W	
R264	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R265	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R270	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R301	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R302	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R303	ERJ6GEYJ563	Chip, 56 Ω 1/10W	
R304	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R305	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R306	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R307	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R308	ERJ6GEYJ183	Chip, 18k Ω 1/10W	
R311	ERJ3GEYJ273V	Chip, 27k Ω 1/16W	
R312	ERJ6GEYJ273	Chip, 27k Ω 1/10W	
R313	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R314	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R315	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R316	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R317	ERJ3GEYJ103V	Chip, 10 Ω 1/16W	
R320	ERJ3GEYJ103V	Chip, 10 Ω 1/16W	
R321	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R322	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R351	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R401	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R402	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R403	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R404	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R405	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R407	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R408	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R409	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R410	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R412	ERJ6GEYJ333	Chip, 33k Ω 1/10W	
R501	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R502	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R503	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R504	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R505	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R506	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R507	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R508	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R601	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R603	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R604	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R605	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R606	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R607	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R608	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R609	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R610	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R611	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R612	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R613	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R614	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R615	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R617	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R618	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R619	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R620	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R621	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R622	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R623	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R624	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R625	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R626	ERJ6GEYJ333	Chip, 33k Ω 1/10W	
R627	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R628	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R629	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R630	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R631	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R633	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R634	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R635	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R636	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R637	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R638	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R639	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R640	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R641	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R642	ERJ6GEYJ393	Chip, 39k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R643	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R644	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R645	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R646	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R647	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R648	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R649	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R650	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R651	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R652	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R653	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R654	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R655	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R656	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R658	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R662	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R664	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R666	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R667	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R668	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R669	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R671	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R672	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R674	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R681	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R682	ERJ6GEYJ152	Chip, 1.5k Ω 1/10W	
R683	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R701	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
R702	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
R703	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R704	ERJ6GEYJ1R0	Chip, 1 Ω 1/10W	
R705	ERJ6GEYJ1R0	Chip, 1 Ω 1/10W	
R706	ERJ6GEYJ821	Chip, 820 Ω 1/10W	
R708	ERJ6GEYJ821	Chip, 820 Ω 1/10W	
R709	ERDS1FJ181	Carbon, 180 Ω 1/2W	
R710	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
R711	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R714	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R715	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R716	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R717	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R718	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R719	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R720	ERJ6GEYJ391	Chip, 390 Ω 1/10W	
R721	ERJ6GEYJ391	Chip, 390 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R722	ERJ6GEYJ333	Chip, 33k Ω 1/10W	
R723	ERJ6GEYJ224	Chip, 220k Ω 1/10W	
R724	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R725	ERJ6GEYJ224	Chip, 220k Ω 1/10W	
R726	ERJ6GEYJ433	Chip, 43k Ω 1/10W	
R727	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R728	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R729	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R731	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R742	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R743	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R750	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
R751	ERJ6ENF1202	Chip, 12k Ω 1/10W	
R752	ERJ6ENF2201	Chip, 2.2k Ω 1/10W	
R753	ERJ6ENF1303	Chip, 130k Ω 1/10W	
R755	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R763	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R764	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R771	ERJ6ENF2201	Chip, 2.2k Ω 1/10W	
R772	ERJ6ENF1303	Chip, 130k Ω 1/10W	
R773	ERJ6ENF1802	Chip, 18k Ω 1/10W	
R774	ERJ6ENF6652	Chip, 66.5k Ω 1/10W	
R775	ERJ6ENF3302	Chip, 33k Ω 1/10W	
R791	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R792	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R793	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R801	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R802	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R804	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R805	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R806	ERJ3GEYJ104V	Chip, 100k Ω 1/10W	
R944	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R947	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R948	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R950	ERJ6GEYJ184	Chip, 180k Ω 1/10W	
R951	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R952	ERJ6GEYJ102	Chip, 1 Ω 1/10W	
R953	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R954	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R955	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R956	ERJ6GEYJ102	Chip, 1 Ω 1/10W	
R957	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R958	ERJ6GEYJ102	Chip, 1 Ω 1/10W	
R959	ERJ6GEYJ102	Chip, 1 Ω 1/10W	
R960	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R961	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
CONNECTORs			
CN401	YEAE012763	Connector, 14P	
CN502	YEAE012307	Connector, 8P DIN	
CN601	YEAE012795	Connector, 6P	
CN701	K1FA116B0028	Connector, 16P	
CN801	YEAE0105MX	Connector, 5P	
CN951	K1MN16B00022	Connector, 16P	
COILs			
CF51	YEXC07T009	Coil	
L50	G1C150K00011	Coil	
L51	YELT03N330JT	Coil	
L54	G1CR56K00009	Coil	
L401	YELT03N330JT	Coil	
L601	YELT03N330JT	Coil	
L602	YELT03N101JT	Coil	
L603	YELT03N101JT	Coil	
L605	YELT03N101JT	Coil	
L701	YELTBL01R1AT	Coil	
L702	YETQ026T164	Coil	
L703	ELEH330KA	Coil	
R75	YELTBMHS800T	Coil	
R218	G1CYYYZ00003	Coil	
R219	G1CYYYZ00003	Coil	
R266	G1CYYYZ00003	Coil	
R271	G1CYYYZ00003	Coil	
R272	G1CYYYZ00003	Coil	
R318	G1CYYYZ00003	Coil	
R319	G1CYYYZ00003	Coil	
R366	G1CYYYZ00003	Coil	
R371	G1CYYYZ00003	Coil	
R372	G1CYYYZ00003	Coil	
CRYSTAL			
XL51	H0D720400006	Crystal OSC	
XL601	H0J167500009	Crystal OSC	
LAMPs			
Z50	YEAL02010T	Neon Lamp	
THERMISTORs			
PT701	YERT7AR4R7MT	Thermistor	
[E9226] Display Block			
IC's and TRANSISTORs			
IC901	C0HBA0000048	IC	
Q901	B1GDCFJJ0002	Transistor	
Q902	B1GBCFNN0004	Transistor	
Q981	B1ABCF000044	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q982	B1ABCF000044	Transistor	
Q983	B1ABCF000044	Transistor	
DIODEs			
D901	MA8056LMHTX	Diode	
D902	MA8056LMHTX	Diode	
D903	MA8056LMHTX	Diode	
D904	MA8056LMHTX	Diode	
D905	MA8056LMHTX	Diode	
D906	B0BC8R100002	Diode	
D910	MA8056LMHTX	Diode	
D911	MA8056LMHTX	Diode	
D912	MA8056LMHTX	Diode	
D913	MA8056LMHTX	Diode	
D914	MA8056LMHTX	Diode	
D915	MA8056LMHTX	Diode	
D916	MA8056LMHTX	Diode	
D917	MA8056LMHTX	Diode	
D981	B3AZB0000022	LED	
D982	B3AZB0000022	LED	
D983	B3AZB0000022	LED	
D984	B3AZB0000022	LED	
D985	B3AZB0000022	LED	
IC902	B3MBZ0000006	LED	
CAPACITORs			
C901	YECUZ1C104KX	Ceramic,0.1 μF 16WV	
C902	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C903	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C904	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C905	YECUZ1H221JC	Ceramic, 220PF 50WV	
C906	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C907	YECSV1CM225R	Tantalum, 2.2 μF 16WV	
C911	YECUS1C105ZF	Ceramic, 1 μF 16WV	
C912	YECUS1C105ZF	Ceramic, 1 μF 16WV	
C913	YECUZ1H102KX	Ceramic, 0.001 μF 50WV	
C915	YECUZ1H182KX	Ceramic, 0.0018 μF 50WV	
C916	YECUZ1H182KX	Ceramic, 0.0018 μF 50WV	
RESISTORs			
R901	ERJ3GEYJ124V	Chip, 120k Ω 1/16W	
R902	ERJ3GEYJ124V	Chip, 120k Ω 1/16W	
R903	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R904	ERJ3GEYJ271V	Chip, 270 Ω 1/16W	
R905	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R911	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R912	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R913	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R914	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R915	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R916	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R941	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R942	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R943	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R944	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R981	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R982	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R983	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R984	ERJ8GEYJ561V	Chip,@560 Ω 1/8W	
R985	ERJ8GEYJ681V	Chip, 680 Ω 1/8W	
R986	ERJ8GEYJ751V	Chip, 750 Ω 1/8W	
R987	ERJ8GEYJ561V	Chip,@560 Ω 1/8W	
R988	ERJ8GEYJ681V	Chip, 680 Ω 1/8W	
R989	ERJ8GEYJ751V	Chip, 750 Ω 1/8W	
R990	ERJ8GEYJ561V	Chip,@560 Ω 1/8W	
R991	ERJ8GEYJ681V	Chip, 680 Ω 1/8W	
R992	ERJ8GEYJ751V	Chip, 750 Ω 1/8W	
R993	ERJ8GEYJ561V	Chip,@560 Ω 1/8W	
R994	ERJ8GEYJ681V	Chip, 680 Ω 1/8W	
R995	ERJ8GEYJ751V	Chip, 750 Ω 1/8W	
R996	ERJ8GEYJ561V	Chip,@560 Ω 1/8W	
R997	ERJ8GEYJ681V	Chip, 680 Ω 1/8W	
R998	ERJ8GEYJ751V	Chip, 750 Ω 1/8W	
CONNECTORs			
CN901	YEAE012760	Connector, 14P	
CN903	K1MN08B00074	Connector, 8P	
CN904	K1MN08B00074	Connector, 8P	
LCD			
LCD901	L5ACALD00007	LCD Display	
LCD91	L5AZAMD00002	LCD Display	
[E9231] Esc Block			
D802	LNJ306G5TUWQ	LED	
D803	LN1271RAL	LED	
D961	LNJ306G5TUWQ	LED	
CAPACITORs			
C961	YECUS1H103KX	Ceramic,@0.01 μ F 50WV	
RESISTORs			
R962	ERJ6GEYJ102	Chip, 1k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R963	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R964	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
CONNECTORs			
CP901	YEAE012761	Connector, 14P	
CP951	K1MN16B00022	Connector, 16P	
CP801	K1KA05A00247	Connector, 5P	
SWITCHEs			
SW801	YEAS09267	Switch	
SW802	YEAS08041A	Switch	
SW961	YEAS09304	Switch	
[E9202] CD Servo Block			
IC's and TRANSISTORs			
IC101	C1BB00000624	IC	
IC201	MN662792ABUC	IC	
IC202	C3ABMB000034	IC	
IC301	MN101C61GAH	IC	
IC901	C0GBY0000012	IC	
Q1	B3HB00000012	Transistor	
Q3	B3HB00000012	Transistor	
Q6	B3HB00000012	Transistor	
Q101	2SB766ATX	Transistor	
Q451	B1GBCFCJ0005	Transistor	
Q521	B1GBCFCJ0005	Transistor	
Q901	B1BDCD000002	Transistor	
Q902	2SB766ATX	Transistor	
Q903	B1GDCFJN0011	Transistor	
DIODEs			
D1	YEADAN1102W	Diode	
D3	YEADAN1102W	Diode	
D6	YEADAN1102W	Diode	
D301	MA152WKTX	Diode	
D901	MA152WATX	Diode	
CAPACITORs			
C101	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C102	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C103	F3H0J1070005	Tantalum, 100 μ F 6.3WV	
C104	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C105	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C106	F1H1H821A190	Ceramic, 820PF 50WV	
C107	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C108	F1H1H682A190	Ceramic, 0.0068 μ F 50WV	
C109	F1H1H222A190	Ceramic, 0.0022 μ F 50WV	
C110	F1K0J1060015	Ceramic, 10 μ F 6.3WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C111	F1H1H101A231	Ceramic, 100PF 50WV	
C112	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C113	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C114	F1H1H681A021	Ceramic, 680PF 50WV	
C115	YECUZ1H271JC	Ceramic, 270PF 50WV	
C116	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C117	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C120	YECSW0J226MA	Tantalum, 22 μ F 6.3WV	
C121	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C122	F1H1H101A231	Ceramic, 100PF 50WV	
C123	F1H1H101A231	Ceramic, 100PF 50WV	
C124	F1H1H101A231	Ceramic, 100PF 50WV	
C125	F1H1H101A231	Ceramic, 100PF 50WV	
C201	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C204	F1H1E123A011	Ceramic, 0.012 μ F 25WV	
C206	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C208	ECEV0JA470SR	Electrolytic, 47 μ F 6.3WV	
C209	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C210	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C211	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C213	F1H1H102A021	Ceramic, 0.001 μ F 50WV	
C214	YECUZ1E223KX	Ceramic, 0.022 μ F 25WV	
C215	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C216	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C217	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C218	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C315	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C316	YECUZ1H103KX	Ceramic, 0.001 μ F 50WV	
C321	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C401	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C521	F1H1H820A231	Ceramic, 82PF 50WV	
C522	F1H1H820A231	Ceramic, 82PF 50WV	
C523	F1H1H820A231	Ceramic, 82PF 50WV	
C531	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C532	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C541	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C901	YECUZ1C333KX	Ceramic, 0.033 μ F 16WV	
C902	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C903	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C904	ECEV1AA330SR	Electrolytic, 33 μ F 10WV	
C905	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C906	ECEV0JA470SR	Electrolytic, 47 μ F 6.3WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C907	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C908	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C909	ECEV0GA470SR	Electrolytic, 47 μF 4WV	
C910	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C911	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C912	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C913	ECEV1AA330SR	Electrolytic, 33 μF 10WV	
C914	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
C915	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
C916	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C917	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C918	F3G1A336A001	Tantalum, 33 μF 10WV	
C919	F1H1H100A226	Ceramic, 10PF 50WV	
L903	F1Z1E2220001	Ceramic, 0.0022 μF 25WV	
RESISTORs			
R101	ERJ6GEYJ1R0	Chip, 1k Ω 1/10W	
R104	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R105	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R106	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R107	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R108	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R109	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R112	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R114	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R116	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R117	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R119	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R123	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R201	ERJ3GEYJ823V	Chip, 82k Ω 1/16W	
R206	ERJ6GEYJ330	Chip, 33 Ω 1/10W	
R207	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R208	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R209	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R212	ERJ3GEYJ332V	Chip, 3.3k Ω 1/16W	
R214	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R216	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R217	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R218	ERJ3GEYJ105V	Chip, 1k Ω 1/16W	
R219	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R301	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R303	ERJ3GEYJ332V	Chip, 3.3k Ω 1/16W	
R323	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	

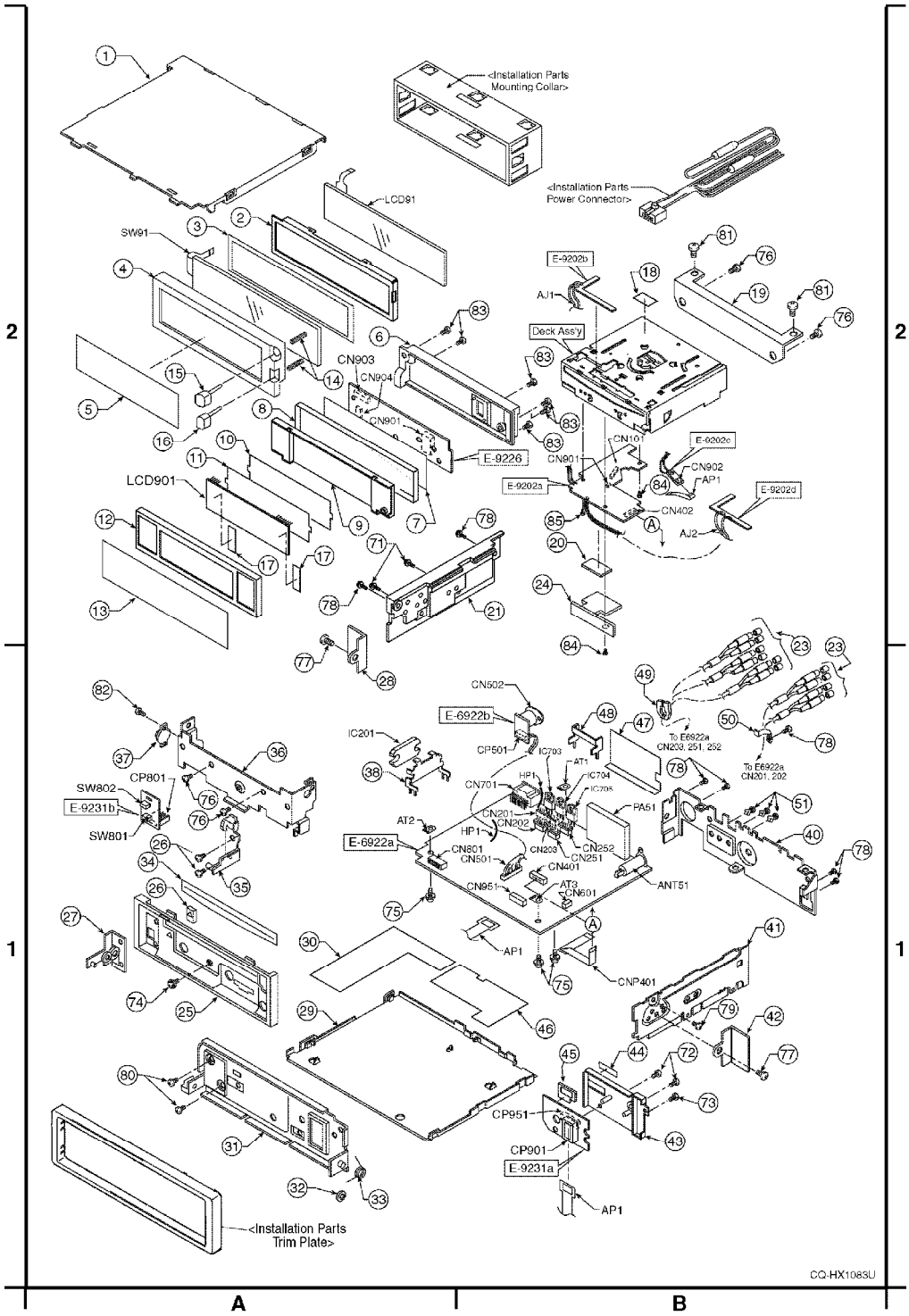
Ref. No.	Part No.	Part Name & Description	Remarks
R324	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R326	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R401	ERJ3GEYJ334V	Chip, 330k Ω 1/16W	
R471	ERJ8GEYJ181V	Chip, 180 Ω 1/8W	
R473	ERJ8GEYJ221V	Chip, 220 Ω 1/8W	
R511	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R513	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R514	ERJ3GEYJ332V	Chip, 3.3k Ω 1/16W	
R516	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R517	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R518	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R519	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R521	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R523	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R524	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R525	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R526	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R527	ERJ3GEYJ121V	Chip, 120 Ω 1/16W	
R534	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R541	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R901	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R903	ERJ3GEYJ392V	Chip, 3.9k 1/16W	
R904	ERJ3GEYJ122V	Chip, 1.2k Ω 1/16W	
R905	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R906	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R907	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R909	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R910	ERJ3GEYJ123V	Chip, 12k Ω 1/16W	
R911	ERJ12YJ100H	Chip, 10 Ω 1/2W	
R912	ERJ3GEYJ203V	Chip, 20k Ω 1/16W	
R913	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R914	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R920	ERJ3GEYJ332V	Chip, 3.3k Ω 1/16W	
R936	ERJ3GEYJ332V	Chip, 3.3k Ω 1/16W	
R937	ERJ3GEYJ332V	Chip, 3.3k Ω 1/16W	
R938	ERJ3GEYJ332V	Chip, 3.3 Ω 1/16W	
R939	ERJ3GEYJ332V	Chip, 3.3k Ω 1/16W	
CONNECTORs			
CN101	YEAESFW15R1E	Connector, 15P	
CN402	K1MN14B00028	Connector, 14P	
CN901	K1MN05B00010	Connector, 5P	
CN902	K1MN05B00009	Connector, 5P	
SWITCHEs			
SW2	K0L1BA000022	Switch	
SW4	YEAS09275	Switch	

Ref. No.	Part No.	Part Name & Description	Remarks
CERAMIC FILTERs			
L1	J0JAC0000047	Noise Filter,	
L2	J0JAC0000047	Noise Filter,	
L201	J0JAC0000047	Noise Filter,	
L202	J0JAC0000047	Noise Filter,	
L901	J0JAC0000047	Noise Filter,	
L902	J0JAC0000047	Noise Filter,	
XL201	H2D169500018	Ceramic Filter	
XL301	H2D737400004	Ceramic Filter	
COILs			
L101	YELTLM41P750	Coil	
L532	YELT03N330JT	Coil	
PRINTINGs			
	YEFM283954	Operating Instructions	
INSTALLATION PARTs			
	YEFX0215873	Mounting Collar	
	YEFC05588A	Trim Plate	
	YEFG04019	Rear Support Strap	
	YEAJ02871	Power Connector	
	YEFA131617	Removable Face Plate Case	
	YEFX9992684	Remote Controller Unit	
	YEFX9991793	Wiping cloth for the toach panel	
	YEP9FZ3157	Mounting Bracket	
	YEP0FZ3158	Screw Kit	
	CR2025/1F	Lithium Battery (CR2025)	
MISCELLANEOUs			
CN201	YEAE012655	Connector, RCA FRONT	
CN202	YEAE012656	Connector, RCA REAR	
CN203	YEAJ011604	Cord	
CN251	YEAE012503	Connector, 1P RCA	
CN252	K2KF29Z00013	Connector, 4P	
CN501	K1HA149A0001	Connector, 7P	
CNP401	K9ZZ00000176	FPC (CD Deck <---> Main)	
AJ1	YEAJ071287	Lead Wire	
AJ2	YEAJ071285	Lead Wire	
ANT51	YGAA10082	Antenna Receptacle	
AP1	YEAP2711	FPC (CD Deck <---> Main)	
AP2	YEAP2831	FPC (CD Deck <---> Main)	
AT1	YEATSD00405	Terminal	
AT1-3	K4ZZ01000048	Terminal	
BZ701	YEXBPKM13EPP	Buzzer	
SW91	N2BABGB00003	Touch Panel Switch	
HP1	K4ZZ01000044	Terminal	
1	YEFA031817A	Upper Cover	
2	YEFX0215876	Bracket, touch Panel Switch	

Ref. No.	Part No.	Part Name & Description	Remarks
3	YEFS011842	Pad	
4	YEFC027540	Escutcheon Ass'y, Detachable	
5	YEFV012229	Insulator	
6	YEFA131715	Back Cover, Detachable	
7	YEFX9992954	ESR-PT Sheet	
8	YEFK061069	Holder	
9	YEFX0012295	Transparent Plate	
10	YEFV021930	Optical Shade	
11	YEFV021916	Optical Shade	
12	YEFK061070	Holder	
13	YEFJ012159	Ornament Plate	
14	YEFX0052396	Spring	
15	YEFE137101	Button, Open	
16	YEFE137102	Button, Release	
17	YEFV012270	Insulator	
18	YEFM031414	Sheel	
19	YEFX0215874	Bracket, CD Deck	
20	YEFS011800	Rubber Sheet	
21	YEFF011092A	Heat Sink	
23	YEFR04187	Lead Cap	
24	YEFF011070A	Heat Sink	
25	YEFC027517A	Escutcheon Ass'y, Unit	
26	YEFX0012228	Transparent Plate	
27	YEP9FX174	Baring (R) Ass'y	
28	YEFG021124	Front Brakect	
29	YEFA05851	Bottom Cover	
30	YEFV012227	Insulator	
31	YEP9FX172C	Front Plate Ass'y	
32	YEJE01018	Retaining Ring	
33	YEFX0052620	Spring	
34	YEFS02355A	Felt	
35	YEP9FX173	Baring (L) Ass'y	
36	YEFA07593A	Front Plate	
37	YEFX9992715	Damper	
38	YEFX0213945B	Bracket, IC	
40	YEFA08573	Rear Plate	
41	YEFA09746B	Side Plate	
42	YEFG021124	Front Brakect	
43	YEFA131644	Cover, Connector PCB	
45	YEFE137100	Button, Eject	
46	YEFV012237	Insulator	
47	YEFV012242	Insulator	
48	YEFX0215878	Bracket, Regulator	
49	YEFX007676	Cord Clamper	
50	YEFX007677	Cord Clamper	
51	YEFJ05046	Color Rivet	
71	YEJS06093	Screw, 3mm * 6mm	
72	YEJS06286	Screw	
73	YEJS06288	Screw	
74	YEJS06287	Screw	
75	YEJT03009	Tapping Screw, 3mm * 8mm	
76	YEJT03267	Tapping Screw	
77	XSB5+6FX	Screw, 5mm * 6mm	

Ref. No.	Part No.	Part Name & Description	Remarks
78	XTB3+6FFX	Tapping Screw, 3mm * 6mm	
79	XTB3+5FFZ	Tapping Screw, 3mm * 5mm	
80	XTB26+8FFZ	Tapping Screw, 2.6mm * 8mm	
81	XTB3+6FFX	Tapping Screw, 3mm * 6mm	
82	XTN2+6FX	Tapping Screw, 2mm * 6mm	
83	XTN2+8GFZ	Tapping Screw, 2mm * 8mm	
84	XYN2+J4FX	Screw, 2mm * 4mm	
85	XYN2+J6FX	Screw, 2mm * 6mm	

13. EXPLODE D VIEW (Unit) [CQ-HX1083U]



14. REPLACEMENT PARTS LIST [CQ-HR1003U]

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. Important safety notice: Components, identified by ⚠ mark have

special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

Ref. No.	Part No.	Part Name & Description	Remarks
[E6922] Main Block			
IC's and TRANSISTORs			
IC51	C1BB00000644	IC	
IC201	C1EA00000029	IC	
IC202	C1BB00000543	IC	
IC204	YEAMPC4570T1	IC	
IC205	C1BB00000649	IC	
IC206	C1BB00000650	IC	
IC501	YEAMC14584BE	IC	
IC601	C2DBKJ000132	IC	
IC603	AN8065SE1	IC	
IC604	YEAMBA3835FE	IC	
IC702	C0CBZZE00001	IC	
IC703	C0CAAYG00005	IC	
IC704	C0CAAYG00005	IC	
IC705	YEAMPC7805H	IC	
PA51	C5BA00000109	Electronic Tuner	
Q61	YEAN2SK536TB	Transistor	
Q62	B1GDCFJJ0002	Transistor	
Q63	B1GBCFNN0004	Transistor	
Q64	YEANFP1F3PT1	Transistor	
Q201	B1GBHBEA0004	Transistor	
Q202	B1GBHBEA0004	Transistor	
Q203	B1GDCFJJ0002	Transistor	
Q204	B1GDCFJJ0002	Transistor	
Q251	B1GBHBEA0004	Transistor	
Q252	B1GDCFJJ0002	Transistor	
Q301	B1GBHBEA0004	Transistor	
Q302	B1GBHBEA0004	Transistor	
Q303	B1GDCFJJ0002	Transistor	
Q304	B1GDCFJJ0002	Transistor	
Q401	B1GBCFNN0004	Transistor	
Q601	B1GDCFJJ0002	Transistor	
Q603	B1GDCFJJ0002	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q604	B1GBHBEA0004	Transistor	
Q605	B1GDCFJJ0002	Transistor	
Q701	B1BBAC000007	Transistor	
Q702	B1BBAC000007	Transistor	
Q703	YEANHQ1F3PT1	Transistor	
Q704	YEANC114YKX	Transistor	
Q705	2SD2139TA	Transistor	
Q706	B1BBAC000007	Transistor	
Q707	B1BBAC000007	Transistor	
Q710	B1GBCFNN0004	Transistor	
Q711	B1GBCFNN0004	Transistor	
Q712	YEANFP1F3PT1	Transistor	
Q713	YEANC114YKX	Transistor	
Q714	B1GBCFNN0004	Transistor	
Q715	B1GBCFNN0004	Transistor	
Q716	B1GBCFNN0004	Transistor	
Q717	B1GBCFNN0004	Transistor	
Q718	B1GBCFNN0004	Transistor	
Q719	B1GBCFNN0004	Transistor	
Q720	B1GBCFNN0004	Transistor	
Q721	YEANC114YKX	Transistor	
Q722	YEANHQ1F3PT1	Transistor	
Q723	YEANC114YKX	Transistor	
Q724	YEANHQ1F3PT1	Transistor	
Q725	YEANC114YKX	Transistor	
Q726	YEANHQ1F3PT1	Transistor	
Q727	YEANC114YKX	Transistor	
Q751	B1GBCFNN0004	Transistor	
Q752	YEANC114YKX	Transistor	
Q753	B1GBCFNN0004	Transistor	
Q801	B1GDCFJJ0002	Transistor	
Q802	B1GDCFJJ0002	Transistor	
DIODEs			
D501	MA721TX	Diode	
D502	MA3X152A0L	Diode	
D701	YEADDAM3MA47	Diode	
D702	MA721TX	Diode	
D703	YEADRD56M3T1	Diode	
D704	MA721TX	Diode	
D705	MA721TX	Diode	
D706	MA721TX	Diode	
D708	MA736TX	Diode	
D709	YEADRD82M1T1	Diode	
D710	MA3X152K0L	Diode	
D711	B0BC9R600001	Diode	
D712	MA721TX	Diode	
D713	YEADRD91JS1T	Diode	
D714	YEADRD56M2T1	Diode	
D721	MA736TX	Diode	
D722	MA736TX	Diode	
D723	MA736TX	Diode	
D724	MA736TX	Diode	
D725	MA736TX	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D726	MA736TX	Diode	
D727	MA736TX	Diode	
D728	MA736TX	Diode	
CAPACITORs			
C52	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C53	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C54	ECEA1AKS221I	Electrolytic, 220 μF 10WV	
C55	YECUS1H273KX	Ceramic, 0.0027 μF 50WV	
C56	YECUS1H273KX	Ceramic, 0.0027 μF 50WV	
C57	YECUS1H102KX	Ceramic, 0.001 μF 50WV	
C59	ECEA1AKS221I	Electrolytic, 220 μF 10WV	
C60	ECEA1AKS221I	Electrolytic, 220 μF 10WV	
C61	ECEA1AKS221I	Electrolytic, 220 μF 10WV	
C62	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
C63	ECQV1H224B46	Plastic Film, 0.22 μF 50WV	
C64	YECUZ1E223KX	Ceramic, 0.022 μF 25WV	
C65	YECUS1H101JM	Ceramic, 100PF 50WV	
C66	F2A0J101A164	Electrolytic, 100 μF 6.3WV	
C67	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C68	F1J1H120A025	Ceramic, 12PF 50WV	
C69	F1J1H120A025	Ceramic, 12PF 50WV	
C78	YECUS1H470JC	Ceramic, 47PF 50WV	
C81	F3F1E105A001	Tantalum, 1 μF 25WV	
C201	YECUS1H152KX	Ceramic, 0.0015 μF 50WV	
C202	YECUS1H152KX	Ceramic, 0.0015 μF 50WV	
C203	F2A1H1R0A154	Electrolytic, 1 μF 50WV	
C204	F2A1H1R0A154	Electrolytic, 1 μF 50WV	
C205	ECEA1HKSR33I	Electrolytic, 0.33 μF 50WV	
C206	F2A1H1R0A154	Electrolytic, 1 μF 50WV	
C207	F2A1H2R2A154	Electrolytic, 2.2 μF 50WV	
C208	F2A1H3R3A154	Electrolytic, 3.3 μF 50WV	
C209	F2A1H3R3A154	Electrolytic, 3.3 μF 50WV	
C210	F2A1H3R3A154	Electrolytic, 3.3 μF 50WV	
C211	F2A1H3R3A154	Electrolytic, 3.3 μF 50WV	
C212	YECUS1H221JC	Ceramic, 220PF 50WV	
C213	YECUS1H221JC	Ceramic, 220PF 50WV	
C214	ECEA1HKSR47I	Electrolytic, 0.47 μF 50WV	
C215	ECEA1HKSR47I	Electrolytic, 0.47 μF 50WV	
C216	YECUS1H472KX	Ceramic, 0.047PF 50WV	
C217	YECUS1H472KX	Ceramic, 0.047PF 50WV	
C218	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C250	F2A1H3R3A154	Electrolytic, 3.3 μ F 50WV	
C252	F1J1C184A006	Ceramic, 0.18 μ F 16WV	
C253	YECUZ1C823KX	Ceramic, 0.082 μ F 16WV	
C256	F1J1C184A006	Ceramic, 0.18 μ F 16WV	
C257	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C259	F2A1H3R3A154	Electrolytic, 3.3 μ F 50WV	
C263	F2A1H1R0A154	Electrolytic, 1 μ F 50WV	
C264	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C265	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C266	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C267	F2A1C470A150	Electrolytic, 47 μ F 16WV	
C268	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C269	F2A1C101A150	Electrolytic, 100 μ F 16WV	
C270	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C271	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C272	ECA1CDT472Y	Electrolytic, 4700 μ F 16WV	
C273	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C274	F2A1H2R2A154	Electrolytic, 2.2 μ F 50WV	
C275	ECEA1AKS470I	Electrolytic, 47 μ F 10WV	
C276	F2A1H1R0A154	Electrolytic, 1 μ F 50WV	
C278	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C279	F2A1C101A150	Electrolytic, 100 μ F 16WV	
C280	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C281	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C282	F2A1C470A150	Electrolytic, 47 μ F 16WV	
C283	YECUS1H221JC	Ceramic, 220PF 50WV	
C284	YECUS1H221JC	Ceramic, 220PF 50WV	
C285	YECUS1H221JC	Ceramic, 220PF 50WV	
C301	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C302	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C303	F2A1H1R0A154	Electrolytic, 1 μ F 50WV	
C304	F2A1H1R0A154	Electrolytic, 1 μ F 50WV	
C305	ECEA1HKSR33I	Electrolytic, 0.33 μ F 50WV	
C306	F2A1H1R0A154	Electrolytic, 1 μ F 50WV	
C307	F2A1H2R2A154	Electrolytic, 2.2 μ F 50WV	
C308	F2A1H3R3A154	Electrolytic, 0.33 μ F 50WV	
C309	F2A1H3R3A154	Electrolytic, 0.33 μ F 50WV	
C310	F2A1H3R3A154	Electrolytic, 0.33 μ F 50WV	
C311	F2A1H3R3A154	Electrolytic, 0.33 μ F 50WV	
C312	YECUS1H221JC	Ceramic, 220PF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C313	YECUS1H221JC	Ceramic, 220PF 50WV	
C314	ECEA1HKSR47I	Electrolytic, 0.47 μ F 50WV	
C315	ECEA1HKSR47I	Electrolytic, 0.47 μ F 50WV	
C316	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C317	YECUS1H472KX	Ceramic, 0.0047 μ F 50WV	
C368	YECUS1H152KX	Ceramic, 0.0015 μ F 50WV	
C369	F2A1C101A150	Electrolytic, 100 μ F 16WV	
C383	YECUS1H221JC	Ceramic, 220PF 50WV	
C384	YECUS1H221JC	Ceramic, 220PF 50WV	
C385	YECUS1H221JC	Ceramic, 220PF 50WV	
C401	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C405	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C501	F2A0J470A164	Electrolytic, 47 μ F 6.3WV	
C502	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C601	EECS0HD473H	Electrolytic, 47 μ F 5.5WV	
C602	F2A0J331A164	Electrolytic, 330 μ F 6.3WV	
C603	F2A1H2R2A154	Electrolytic, 2.2 μ F 50WV	
C604	F1H1H100A226	Ceramic, 10PF 50WV	
C605	F1H1H120A231	Ceramic, 12PF 50WV	
C606	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C607	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C608	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C609	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C610	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C611	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C612	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C613	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C614	F2A1H1R0A154	Electrolytic, 1 μ F 50WV	
C681	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C682	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C683	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C686	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C687	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C701	ECA1CM471	Electrolytic, 470 μ F 16WV	
C703	F2A1H4R7A154	Electrolytic, 4.7 μ F 50WV	
C704	F2A0J470A164	Electrolytic, 47 μ F 6.3WV	
C705	ECA1CDT222U	Electrolytic, 2200 μ F 16WV	
C706	F2A1A101A144	Electrolytic, 100 μ F 10WV	
C707	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C708	F2A1A101A144	Electrolytic, 100 μ F 10WV	
C709	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C710	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
C712	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C713	EEAFC1A820H	Electrolytic, 82 μF 10WV	
C714	ECEA1CKS100I	Electrolytic, 10 μF 16WV	
C715	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
C716	YECUS1E224ZF	Ceramic, 0.22 μF 25WV	
C717	YECUS1C224KX	Ceramic, 0.22 μF 16WV	
C718	ECEA1AKS470I	Electrolytic, 47 μF 10WV	
C722	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C723	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C724	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
C725	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C726	F1J1C184A006	Ceramic, 0.18 μF 16WV	
C728	YECUS1C474KX	Ceramic, 0.47 μF 16WV	
C729	YECUZ1E104ZF	Ceramic, 0.1 μF 25WV	
C751	YECUS1E224ZF	Ceramic, 0.22 μF 25WV	
C752	EEAFC1C560H	Electrolytic, 56 μF 16WV	
C757	YECUS1C334KX	Ceramic, 0.33 μF 16WV	
C758	YECUS1C334KX	Ceramic, 0.33 μF 16WV	
C759	F2A0J101A164	Electrolytic, 100 μF 6.3WV	
C760	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C761	F2A1C101A150	Electrolytic, 100 μF 16WV	
C762	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C764	YECUZ1E104ZF	Ceramic, 0.1 μF 25WV	
C771	F1K1E334A022	Ceramic, 0.33 μF 25WV	
C772	EEAFC1C560H	Electrolytic, 56 μF 16WV	
C773	YECUX1C334KX	Ceramic, 0.33 μF 16WV	
RESISTORs			
J400	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J401	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J402	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J403	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J404	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J405	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J406	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J407	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J410	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J412	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J413	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J414	ERJ8GX0R00V	Chip, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J415	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J416	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J420	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J500	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J501	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J503	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J504	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R50	ERJ6GEYJ5R6	Chip, 5.6 Ω 1/10W	
R53	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R54	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R55	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R56	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R59	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R61	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R62	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R63	ERJ3GEYJ182V	Chip, 1.8 Ω 1/16W	
R64	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
R65	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R66	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R67	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R68	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R73	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R76	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R81	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R82	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R83	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R84	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R85	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R86	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R87	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R88	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R89	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R201	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R202	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R203	ERJ6GEYJ473	Chip, 56k Ω 1/10W	
R204	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R205	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R206	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R207	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R208	ERJ6GEYJ183	Chip, 18k Ω 1/10W	
R211	ERJ3GEYJ273V	Chip, 27k Ω 1/16W	
R212	ERJ6GEYJ273	Chip, 27k Ω 1/10W	
R213	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R214	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R215	ERJ6GEYJ560	Chip, 56 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R216	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R217	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R220	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R221	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R222	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R231	ERJ3GEYJ100V	Chip, 10 Ω 1/16W	
R232	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
R250	ERJ3GEYJ224V	Chip, 220k Ω 1/16W	
R251	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R253	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R255	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R256	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R262	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R263	ERJ6GEYJ273	Chip, 27k Ω 1/10W	
R264	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R265	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R270	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R301	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R302	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R303	ERJ6GEYJ473	Chip, 56 Ω 1/10W	
R304	ERJ6GEYJ562	Chip, 39k Ω 1/10W	
R305	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R306	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R307	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R308	ERJ6GEYJ183	Chip, 18k Ω 1/10W	
R311	ERJ3GEYJ273V	Chip, 27k Ω 1/16W	
R312	ERJ6GEYJ273	Chip, 27k Ω 1/10W	
R313	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R314	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R315	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R316	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R317	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R320	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R321	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R322	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R351	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R401	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R402	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R403	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R404	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R405	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R406	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R411	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R501	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R502	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R503	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R504	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R505	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R506	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R507	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R508	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R601	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R603	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R604	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R605	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R606	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R607	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R608	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R609	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R610	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R611	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R612	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R613	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R614	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R615	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R617	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R618	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R619	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R620	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R621	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R622	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R623	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R624	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R625	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R626	ERJ6GEYJ333	Chip, 33k Ω 1/10W	
R627	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R628	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R629	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R630	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R631	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R633	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R634	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R635	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R636	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R637	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R638	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R639	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R640	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R641	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R642	ERJ6GEYJ393	Chip, 39k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R643	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R644	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R645	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R646	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R647	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R648	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R649	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R650	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R651	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R654	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R655	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R656	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R658	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R662	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R664	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R666	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R667	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R668	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R669	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R671	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R672	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R674	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R681	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R682	ERJ6GEYJ152	Chip, 1.5k Ω 1/10W	
R683	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R701	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
R702	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
R703	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R704	ERJ6GEYJ1R0	Chip, 1 Ω 1/10W	
R705	ERJ6GEYJ1R0	Chip, 1 Ω 1/10W	
R706	ERJ6GEYJ821	Chip, 820 Ω 1/10W	
R708	ERJ6GEYJ821	Chip, 820 Ω 1/10W	
R709	ERDS1FJ181	Carbon, 180 Ω 1/2W	
R710	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
R711	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R714	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R715	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R716	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R717	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R718	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R719	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R720	ERJ6GEYJ391	Chip, 390 Ω 1/10W	
R721	ERJ6GEYJ391	Chip, 390 Ω 1/10W	
R722	ERJ6GEYJ333	Chip, 33k Ω 1/10W	
R723	ERJ6GEYJ224	Chip, 220k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R724	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R725	ERJ6GEYJ224	Chip, 220k Ω 1/10W	
R726	ERJ6GEYJ433	Chip, 43k Ω 1/10W	
R727	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R728	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R729	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R731	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R742	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R743	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R750	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
R751	ERJ6ENF2002	Chip, 20k Ω 1/10W	
R752	ERJ6ENF4701V	Chip, 4.7k Ω 1/10W	
R753	ERJ6ENF6801V	Chip, 6.8k Ω 1/10W	
R755	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R763	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R764	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R771	ERJ6ENF2201	Chip, 2.2k Ω 1/16W	
R772	ERJ6ENF1303	Chip, 130k Ω 1/10W	
R773	ERJ6ENF1802	Chip, 18k Ω 1/10W	
R774	ERJ6ENF6652	Chip, 66.5k Ω 1/10W	
R775	ERJ6ENF3302	Chip, 33k Ω 1/10W	
R791	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R792	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R793	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R801	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R802	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R804	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R805	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R806	ERJ3GEYJ104V	Chip, 100k Ω 1/10W	
R944	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R947	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R948	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R950	ERJ6GEYJ184	Chip, 180k Ω 1/10W	
R951	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R952	ERJ6GEYJ102	Chip, 1 Ω 1/10W	
R953	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R954	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R955	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R956	ERJ6GEYJ102	Chip, 1 Ω 1/10W	
R957	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R958	ERJ6GEYJ102	Chip, 1 Ω 1/10W	
R959	ERJ6GEYJ102	Chip, 1 Ω 1/10W	
R960	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R961	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
CONNECTORs			
CN401	YEAE012763	Connector, 14P	
CN502	YEAE012307	Connector, 8P DIN	
CN601	YEAE012795	Connector, 6P	
CN701	K1FA116B0028	Connector, 16P	
CN801	YEAE0105MX	Connector, 5P	
CN951	K1MN16B00022	Connector, 16P	
CRYSTAL			
XL51	H0D720400006	Crystal OSC	
XL601	H0J167500009	Crystal OSC	
COILs			
CF51	YEXC07T009	Coil	
L50	G1C150K00011	Coil	
L51	YELT03N330JT	Coil	
L54	G1CR56K00009	Coil	
L401	YELT03N101JT	Coil	
L601	YELT03N330JT	Coil	
L602	YELT03N101JT	Coil	
L603	YELT03N101JT	Coil	
L605	YELT03N101JT	Coil	
L701	YELTBL01R1AT	Coil	
L702	YETQ026T164	Coil	
L703	ELEH330KA	Coil	
R75	YELTBMHS800T	Coil	
R218	G1CYYYZ00003	Coil	
R219	G1CYYYZ00003	Coil	
R266	G1CYYYZ00003	Coil	
R271	G1CYYYZ00003	Coil	
R272	G1CYYYZ00003	Coil	
R318	G1CYYYZ00003	Coil	
R319	G1CYYYZ00003	Coil	
R366	G1CYYYZ00003	Coil	
R371	G1CYYYZ00003	Coil	
R372	G1CYYYZ00003	Coil	
LAMPs			
Z50	YEAL02010T	Neon Lamp	
THERMISTORs			
PT701	YERT7AR4R7MT	Thermistor	
[E9226] Display Block			
IC's and TRANSISTORs			
IC901	C0HBA0000048	IC	
Q901	B1GDCFJJ0002	Transistor	
Q902	B1GBCFNN0004	Transistor	
Q981	B1ABCF000044	Transistor	
Q982	B1ABCF000044	Transistor	
Q983	B1ABCF000044	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
DIODEs			
D901	MA8056LMHTX	Diode	
D902	MA8056LMHTX	Diode	
D903	MA8056LMHTX	Diode	
D904	MA8056LMHTX	Diode	
D905	MA8056LMHTX	Diode	
D906	B0BC8R100002	Diode	
D910	MA8056LMHTX	Diode	
D911	MA8056LMHTX	Diode	
D912	MA8056LMHTX	Diode	
D913	MA8056LMHTX	Diode	
D914	MA8056LMHTX	Diode	
D915	MA8056LMHTX	Diode	
D916	MA8056LMHTX	Diode	
D917	MA8056LMHTX	Diode	
D981	B3AZB0000022	LED	
D982	B3AZB0000022	LED	
D983	B3AZB0000022	LED	
D984	B3AZB0000022	LED	
D985	B3AZB0000022	LED	
IC902	B3MBZ0000006	LED	
CAPACITORs			
C901	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C902	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C903	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C904	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C905	YECUZ1H221JC	Ceramic, 220PF 50WV	
C906	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C907	YECSV1CM225R	Tantalum, 2.2 μF 16WV	
C911	YECUS1C105ZF	Ceramic, 1 μF 16WV	
C912	YECUS1C105ZF	Ceramic, 1 μF 16WV	
C913	YECUZ1H102KX	Ceramic, 0.001 μF 50WV	
C915	YECUZ1H182KX	Ceramic, 0.0018 μF 50WV	
C916	YECUZ1H182KX	Ceramic, 0.0018 μF 50WV	
RESISTORs			
R901	ERJ3GEYJ124V	Chip, 120kΩ 1/16W	
R902	ERJ3GEYJ124V	Chip, 120kΩ 1/16W	
R903	ERJ3GEYJ333V	Chip, 33kΩ 1/16W	
R904	ERJ3GEYJ271V	Chip, 270Ω 1/16W	
R905	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R911	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R912	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R913	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R914	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R915	ERJ3GEYJ101V	Chip, 100Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R916	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R941	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R942	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R943	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R944	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R981	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R982	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R983	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R984	ERJ8GEYJ561V	Chip,@560 Ω 1/8W	
R985	ERJ8GEYJ681V	Chip, 680 Ω 1/8W	
R986	ERJ8GEYJ751V	Chip, 750 Ω 1/8W	
R987	ERJ8GEYJ561V	Chip,@560 Ω 1/8W	
R988	ERJ8GEYJ681V	Chip, 680 Ω 1/8W	
R989	ERJ8GEYJ751V	Chip, 750 Ω 1/8W	
R990	ERJ8GEYJ561V	Chip,@560 Ω 1/8W	
R991	ERJ8GEYJ681V	Chip, 680 Ω 1/8W	
R992	ERJ8GEYJ751V	Chip, 750 Ω 1/8W	
R993	ERJ8GEYJ561V	Chip,@560 Ω 1/8W	
R994	ERJ8GEYJ681V	Chip, 680 Ω 1/8W	
R995	ERJ8GEYJ751V	Chip, 750 Ω 1/8W	
R996	ERJ8GEYJ561V	Chip,@560 Ω 1/8W	
R997	ERJ8GEYJ681V	Chip, 680 Ω 1/8W	
R998	ERJ8GEYJ751V	Chip, 750 Ω 1/8W	
CONNECTORs			
CN901	YEAE012760	Connector, 14P	
CN903	K1MN08B00074	Connector, 8P	
CN904	K1MN08B00074	Connector, 8P	
LCD901	L5ACALD00007	LCD Display	
LCD91	L5AZAMD00002	LCD Display	
[E9231] Esc Block			
IC's and TRANSISTORs			
Q961	B1GDCFJJ0002	Transistor	
DIODEs			
D802	LNJ306G5TUWQ	LED	
D803	LN1271RAL	LED	
D961	LNJ306G5TUWQ	LED	
CAPACITORs			
C961	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
RESISTORs			
R962	ERJ6GEYJ102	Chip, 1k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R963	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R964	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
CONNECTORs			
CP801	K1KA05A00247	Connector, 5P	
CP901	YEAE012761	Connector, 14P	
CP951	K1MN16B00022	Connector, 16P	
SWITCHEs			
SW801	YEAS09267	Switch	
SW802	YEAS08041A	Switch	
SW961	YEAS09304	Switch	
[E8988] CD Servo Block			
IC's and TRANSISTORs			
IC101	C1BB00000414	IC	
IC201	C2BBFD000365	IC	
IC301	C0GBY0000012	IC	
Q1	B3HB00000012	Transistor	
Q3	B3HB00000012	Transistor	
Q6	B3HB00000012	Transistor	
Q101	2SB766ATX	Transistor	
Q302	2SB766ATX	Transistor	
Q451	B1GBCFCJ0005	Transistor	
DIODEs			
D1	YEADAN1102W	Diode	
D3	YEADAN1102W	Diode	
D6	YEADAN1102W	Diode	
D123	B0ACCK000005	Diode	
D401	MA152WKTX	Diode	
D901	MA152WATX	Diode	
CAPACITORs			
C100	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C101	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C102	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C103	F3H0J1070005	Tantalum, 100 μF 6.3WV	
C112	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C114	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C115	EEVFC0J470R	Electrolytic, 47 μF 6.3WV	
C117	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C122	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C126	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C133	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C140	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C151	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	

		Ceramic, 0.1 µF 16WV	

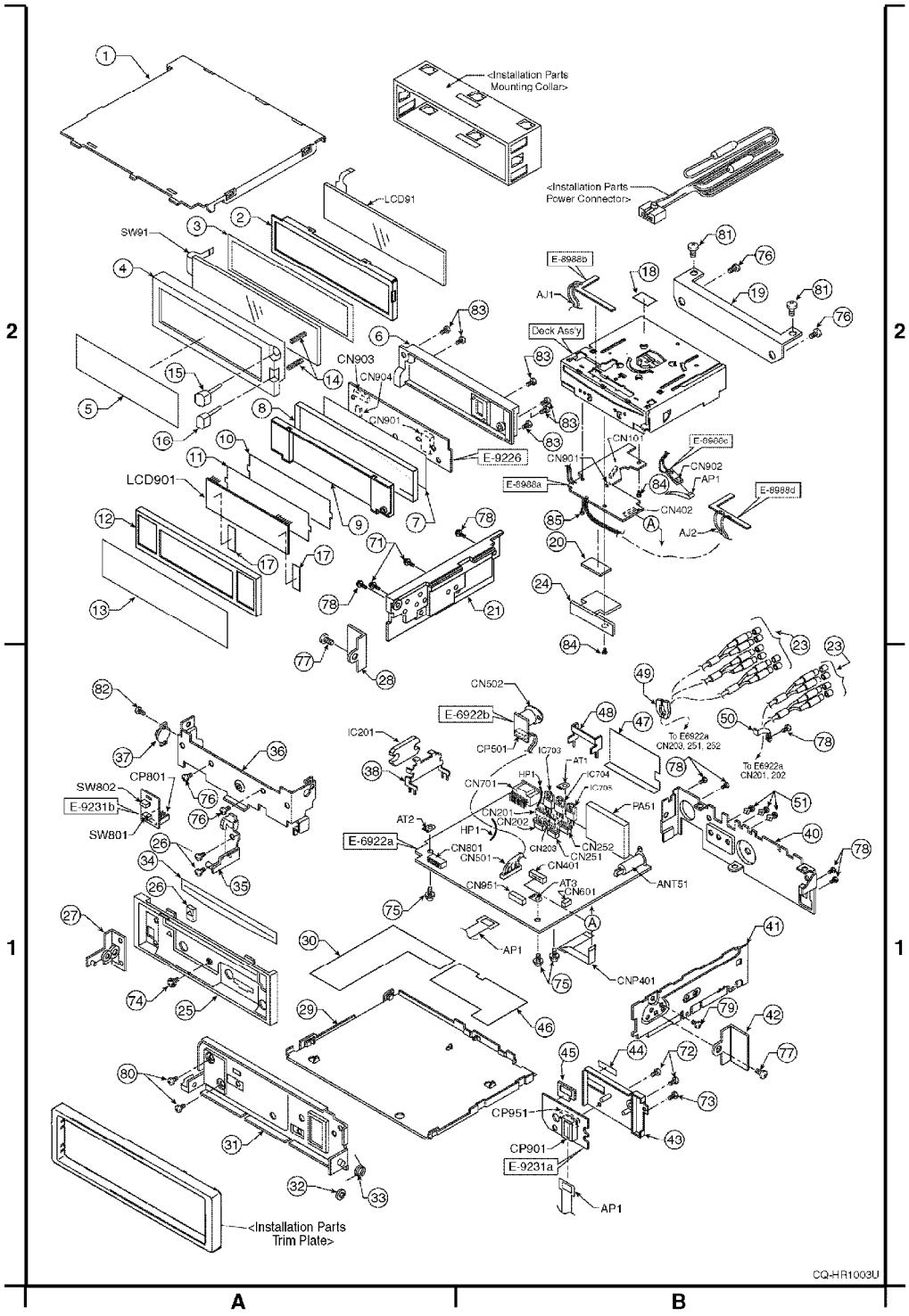
Ref. No.	Part No.	Part Name & Description	Remarks
C170	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C171	YECUZ1C333KX	Ceramic, 0.033 μF 16WV	
C172	YECUZ1C333KX	Ceramic, 0.033 μF 16WV	
C173	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C174	F1H1H222A190	Ceramic, 2200PF 50WV	
C176	F1H1C473A005	Ceramic, 0.047 μF 16WV	
C177	YECUZ1H040CC	Ceramic, 4PF 50WV	
C179	YECUS1H220JC	Ceramic, 22PF 50WV	
C190	YECUS1H560JM	Ceramic, 56PF 50WV	
C192	YECUS1H560JM	Ceramic, 56PF 50WV	
C193	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C195	YECUZ1H102KX	Ceramic, 1000PF 50WV	
C217	F1H1A4740004	Ceramic, 0.47 μF 10WV	
C218	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
C301	YECUS1C474KX	Ceramic, 0.47 μF 16WV	
C302	EEVFC1C470P	Electrolytic, 47 μF 16WV	
C304	F1J1C1050013	Ceramic, 1 μF 16WV	
C320	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C321	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C322	F1H1H222A190	Ceramic, 2200PF 50WV	
C323	F1H1H681A201	Ceramic, 680PF 50WV	
C326	EEVFC0J101P	Electrolytic, 100 μF 6.3WV	
C410	ECEV0JA101SP	Electrolytic, 100 μF 6.3WV	
C603	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
RESISTORs			
L101	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L201	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L202	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L301	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L302	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R102	ERJ14YJ220H	Chip, 22 Ω 1/4W	
R123	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R125	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
R171	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R172	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R179	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R186	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R187	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R213	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R218	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R223	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R226	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R228	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R256	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R257	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R258	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R305	ERJ3GEYJ122V	Chip, 1.2k Ω 1/16W	
R306	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R322	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R323	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R325	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R326	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	
R327	ERJ6GEY0R00	Chip, 0 Ω 1/10W	
R336	ERJ3GEYJ822V	Chip, 8.2k Ω 1/16W	
R403	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R411	ERJ3GEYJ334V	Chip, 330k Ω 1/16W	
R429	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R454	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R456	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R461	ERJ3GEYJ823V	Chip, 82k Ω 1/16W	
R463	ERJ3GEYJ823V	Chip, 82k Ω 1/16W	
R466	ERJ6GEYJ823	Chip, 82k Ω 1/10W	
R471	ERJ8GEYJ121V	Chip, 120 Ω 1/8W	
R473	ERJ8GEYJ121V	Chip, 120 Ω 1/8W	
R476	ERJ8GEYJ121V	Chip, 120 Ω 1/8W	
R481	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R604	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R605	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R606	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
CONNECTORs			
CN101	YEAESFW15R1E	Connector, 15P	
CN402	K1MN14B00028	Connector, 14P	
CN901	K1MN05B00010	Connector, 5P	
CN902	K1MN05B00009	Connector, 5P	
SWITCHEs			
SW2	K0L1BA000062	Switch	
SW4	YEAS09275	Switch	
CRYSTALs			
XL101	H2D169500008	Crystal	
XL201	H2D419400001	Crystal	
PRINTINGs			
	YEFM283954	Operating Instructions	
INSTALLATION PARTs			
	YEFX0215873	Mounting Collar	

Ref. No.	Part No.	Part Name & Description	Remarks
	YEFC05588A	Trim Plate	
	YEFG04019	Rear Support Strap	
	YEAJ02871	Power Connector	
	YEFA131617	Removable Face Plate Case	
	YEFX9992684	Remote Controller Unit	
	YEFX9991793	Wiping cloth for the toach panel	
	YEP9FZ3157	Mounting Bracket	
	YEP0FZ3158	Screw Kit	
	CR2025/1F	Lithium Battery (CR2025)	
MISCELLANEOUS			
CN201	YEAE012655	Connector, 4P RCA FRONT	
CN202	YEAE012656	Connector, 4P RCA REAR	
CN203	YEAJ011604	Cord 4P	
CN251	YEAE012503	Connector, 4P RCA	
CN252	K2KF29Z00013	Connector, 4P	
CN501	K1HA149A0001	Connector, 7P	
CNP401	K9ZZ00000176	FPC (CD Deck <---> Main)	
AJ1	YEAJ071287	Lead Wire	
AJ2	YEAJ071285	Lead Wire	
ANT51	YGAA10082	Antenna Receptacle	
AP1	YEAP2711	FPC (CD Deck <---> Main)	
AP2	YEAP2831	FPC (CD Deck <---> Main)	
AT1-3	K4ZZ01000048	Terminal	
BZ701	YEXBPKM13EPP	Buzzer	
SW91	N2BABGB00003	Touch Panel Switch	
HP1	K4ZZ01000044	Terminal	
1	YEFA031817A	Upper Cover	
2	YEFX0215876	Bracket, touch Panel Switch	
3	YEFS011842	Pad	
4	YEFC027540	Escutcheon Ass'y, Detachable	
5	YEFV012229	Insulator	
6	YEFA131715	Back Cover, Detachable	
7	YEFX9992954	ESR-PT Sheet	
8	YEFK061069	Holder	
9	YEFX0012295	Transparent Plate	
10	YEFV021930	Optical Shade	
11	YEFV021916	Optical Shade	
12	YEFK061070	Holder	
13	YEFJ012159	Ornament Plate	
14	YEFX0052396	Spring	
15	YEFE137101	Button, Open	
16	YEFE137102	Button, Release	
17	YEFV012270	Insulator	
18	YEFM031414	Sheel	
19	YEFX0215874	Bracket, CD Deck	
20	YEFS011800	Rubber Sheet	
21	YEFF011092A	Heat Sink	
23	YEFR04187	Lead Cap	
24	YEFF011070A	Heat Sink	
25	YEFC027517A	Escutcheon Ass'y, Unit	
26	YEFX0012228	Transparent Plate	

Ref. No.	Part No.	Part Name & Description	Remarks
27	YEP9FX174	Baring (R) Ass'y	
28	YEFG021124	Front Brakect	
29	YEFA05851	Bottom Cover	
30	YEFV012227	Insulator	
31	YEP9FX172B	Front Plate Ass'y	
32	YEJE01018	Retaining Ring	
33	YEFX0052620	Spring	
34	YEFS02355A	Felt	
35	YEP9FX173	Baring (L) Ass'y	
36	YEFA07593A	Front Plate	
37	YEFX9992715	Damper	
38	YEFX0213945B	Bracket, IC	
40	YEFA08573	Rear Plate	
41	YEFA09746B	Side Plate	
42	YEFG021124	Front Brakect	
43	YEFA131644	Cover, Connector PCB	
45	YEFE137100	Button, Eject	
46	YEFV012237	Insulator	
47	YEFV012242	Insulator	
48	YEFX0215878	Bracket, Regulator	
49	YEFX007676	Cord Clamper	
50	YEFX007677	Cord Clamper	
51	YEFJ05046	Color Rivet	
71	YEJS06093	Screw, 3mm * 6mm	
72	YEJS06286	Screw	
73	YEJS06288	Screw	
74	YEJS06287	Screw	
75	YEJT03009	Tapping Screw, 3mm * 8mm	
76	YEJT03267	Tapping Screw	
77	XSB5+6FX	Screw, 5mm * 6mm	
78	XTB3+6FFX	Tapping Screw, 3mm * 6mm	
79	XTB3+5FFZ	Tapping Screw, 3mm * 5mm	
80	XTB26+8FFZ	Tapping Screw, 2.6mm * 8mm	
81	XTB3+6FFX	Tapping Screw, 3mm * 6mm	
82	XTN2+6FX	Tapping Screw, 2mm * 6mm	
83	XTN2+8GFZ	Tapping Screw, 2mm * 8mm	
84	XYN2+J4FX	Screw, 2mm * 4mm	
85	XYN2+J6FX	Screw, 2mm * 6mm	

15. EXPLODED VIEW (Unit) [CQ-HR1003U]



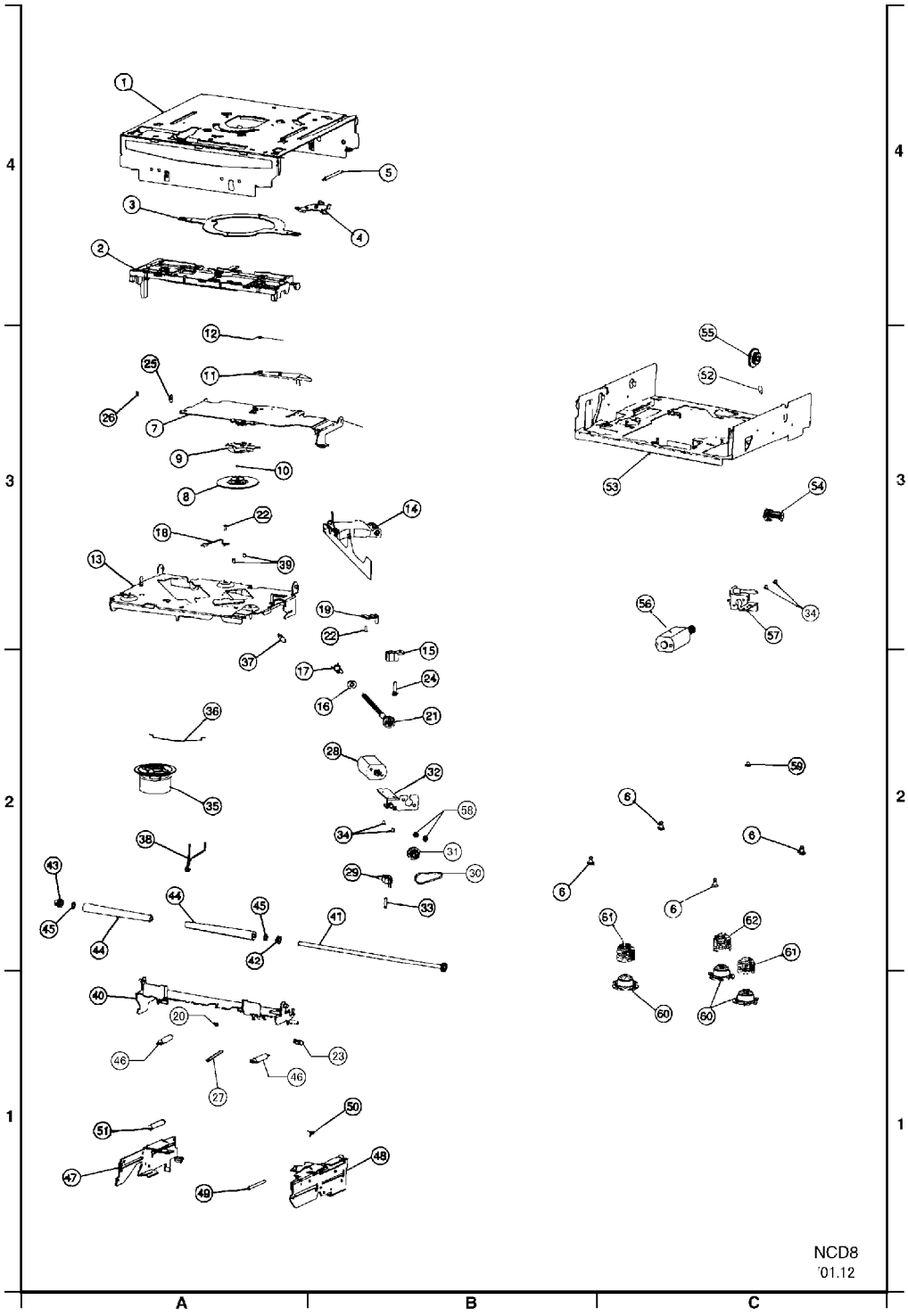
16. CD PLAYER PARTS

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
1	YGFA011781	Upper Chassis	(4-A)
2	YGFX236153	Disk Guide	(4-A)
3	YGFX0462017	Link Lever	(4-A)
4	YGFX0462018	Detection Lever (2)	(4-B)
5	YGFX0052357	Detection Lever (2) Spring	(4-B)
6	YEJT03216	Screw	(2-C) (2-B)
7	YGFX249461	Clamp Arm	(3-A)
8	YGFX007640	Clamper	(3-A)
9	YGFX0052363	Clamper Spring Plate	(3-A)
10	YEFX999957	Ball Bearing	(3-A)
11	YGFX0462013	Detection Lever (1)	(3-A)
12	YGFX0052352	Detection Lever (1) Spring	(3-A)
13	YGFA011947	Suspension Chassis Ass'y	(3-A)
14	YEP0FX4378	Optical Pick-up Ass'y	(3-B)
15	YGFW04150	Feed Screw Housing A	(2-B)
16	YGFW04137A	Feed Screw Housing B	(2-B)
17	YGFX0052386	Thrust Adjusting Spring	(2-B)
18	YEFX0052557	Traverse Guide	(3-A)
19	YGFX9992027	Feed Screw Carrier	(3-B)
20	YEFS011723	Rubber Pad (2)	(1-A)
21	YEJT03211	Traverse Gear Ass'y	(2-B)
22	YEJS02037A	Screw, (Pick-up)	(3-A)(3-B)
23	YEFS011712	Rubber Pad (1)	(1-A)
24	XYN2+J10FX	Screw, (Housing) 2mm * 10m	(2-B)
25	YGFX0051590	Spring Washer	(3-A)
26	XUC15V	Retaining Ring, 1.5mm	(3-A)
27	YGFX0052395	Offset Spring	(1-A)
28	YGP0FX4162	Traverse Motor Ass'y	(2-B)
29	YEAS23151A	Inner Switch	(2-B)
30	YEFR03080	Rubber Belt	(2-B)
31	YGFX026124A	Idler Pulley	(2-B)
32	YGFX018658	Motor Bracket Ass'y	(2-B)
33	YEJS02018FZ	Screw, (SW)	(2-B)
34	YEJS06097A	Screw, 2mm * 25mm	(2-B)
35	YGP0FX3529	Spindle Motor Ass'y	(2-A)
36	YGFX0051991C	Spring (Motor)	(2-A)
37	YGFX0052353	Clamper Spring	(2-A)
38	YGAJ071286	Motor Cable	(2-A)
39	XQN17+A25FX	Screw, 1.7mm * 25mm	(3-A)
40	YGFX0462019	Feeder Arm Ass'y	(1-A)
41	YGP0FX3507	Roller Gear Ass'y	(2-B)
42	YGFW04144	Roller Shaft Collar (1)	(2-A)
43	YGFW04138	Roller Shaft Collar (2)	(2-A)
44	YGFX218310	Rubber Roller	(2-A)
45	YEJW05169	Washer	(2-A)
46	YGFX0052362	Spring (Feeder Arm)	(1-A)
47	YGFX0462015A	Suspension Lock Plate (L)	(1-A)
48	YGP0FX3504	Suspension Lock Plate (R) Ass'y	(1-B)
49	YGFX0052355	Spring (Rack Gear)	(1-A)
50	YGFX0052356	Spring (Rack Lock Lever)	(1-B)
51	YGFX0052360	Spring (Suspension Lock Plate L)	(1-A)
52	YGFX0052361	Spring (Lock Plate)	(3-C)
53	YGFA011779	Bottom Chassis Ass'y	(3-C)
54	YGFX003940	Driving Gear (1)	(3-C)

Ref. No.	Part No.	Part Name & Description	Remarks
55	YGFX003941	Driving Gear (2)	(3-C)
56	YGP0FX4167	Loding Motor Ass'y	(3-C)
57	YGFX018660	Loding Motor Bracket Ass'y	(3-C)
58	XQN2+A25FX	Screw, 2mm * 25mm	(2-B)
59	YEJS06188	Screw	(2-C)
60	YGFS04755	Oil Dumper	(1-C)
61	YGFX0052358	Suspension Spring (A)	(2-C)
62	YGFX0052359	Suspension Spring (B)	(2-C)

17. EXPLODED VIEW (CD Deck)



18. WIRING DIAGRAM

18.1. Esc Block

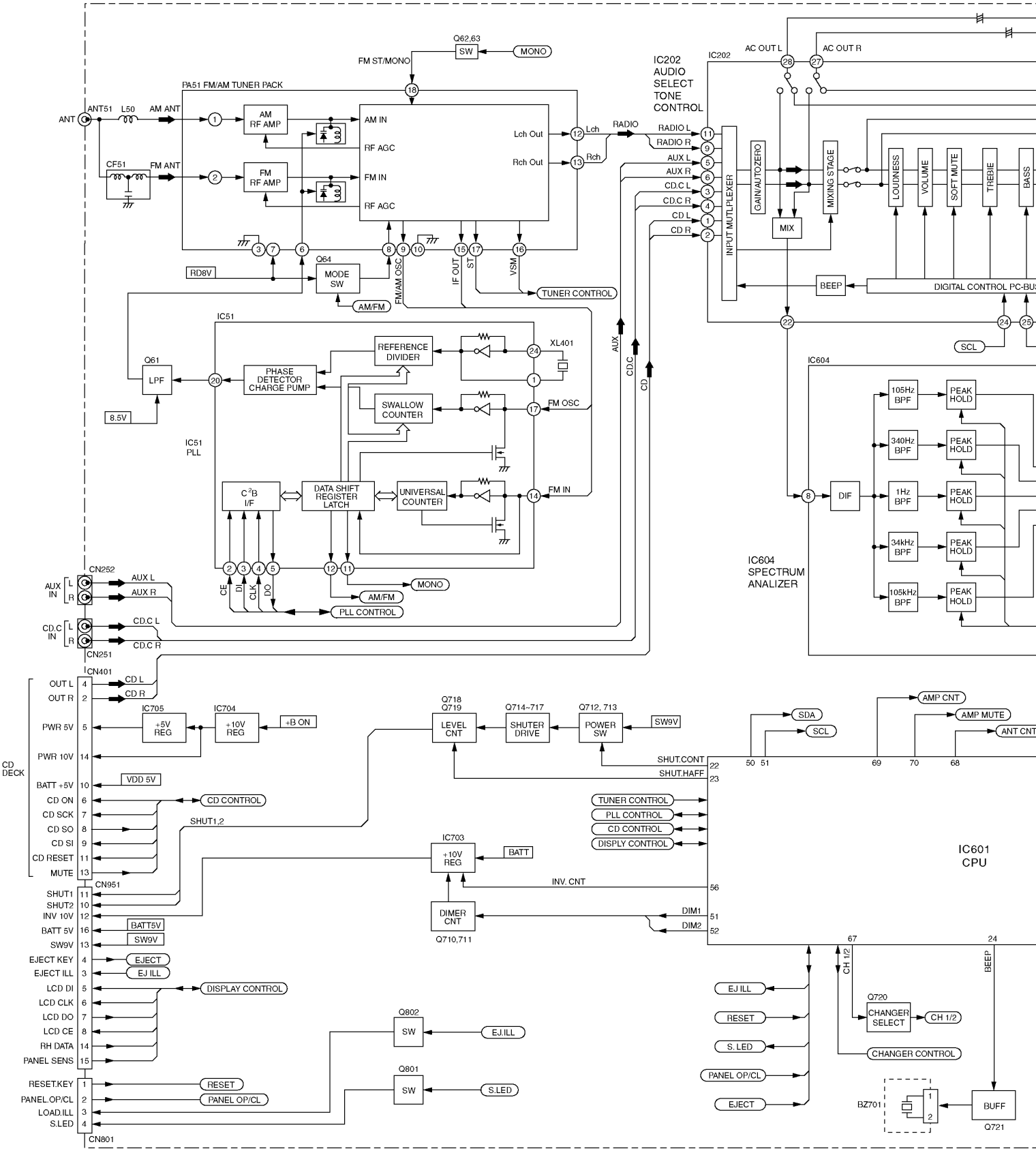
18.2. Display Block

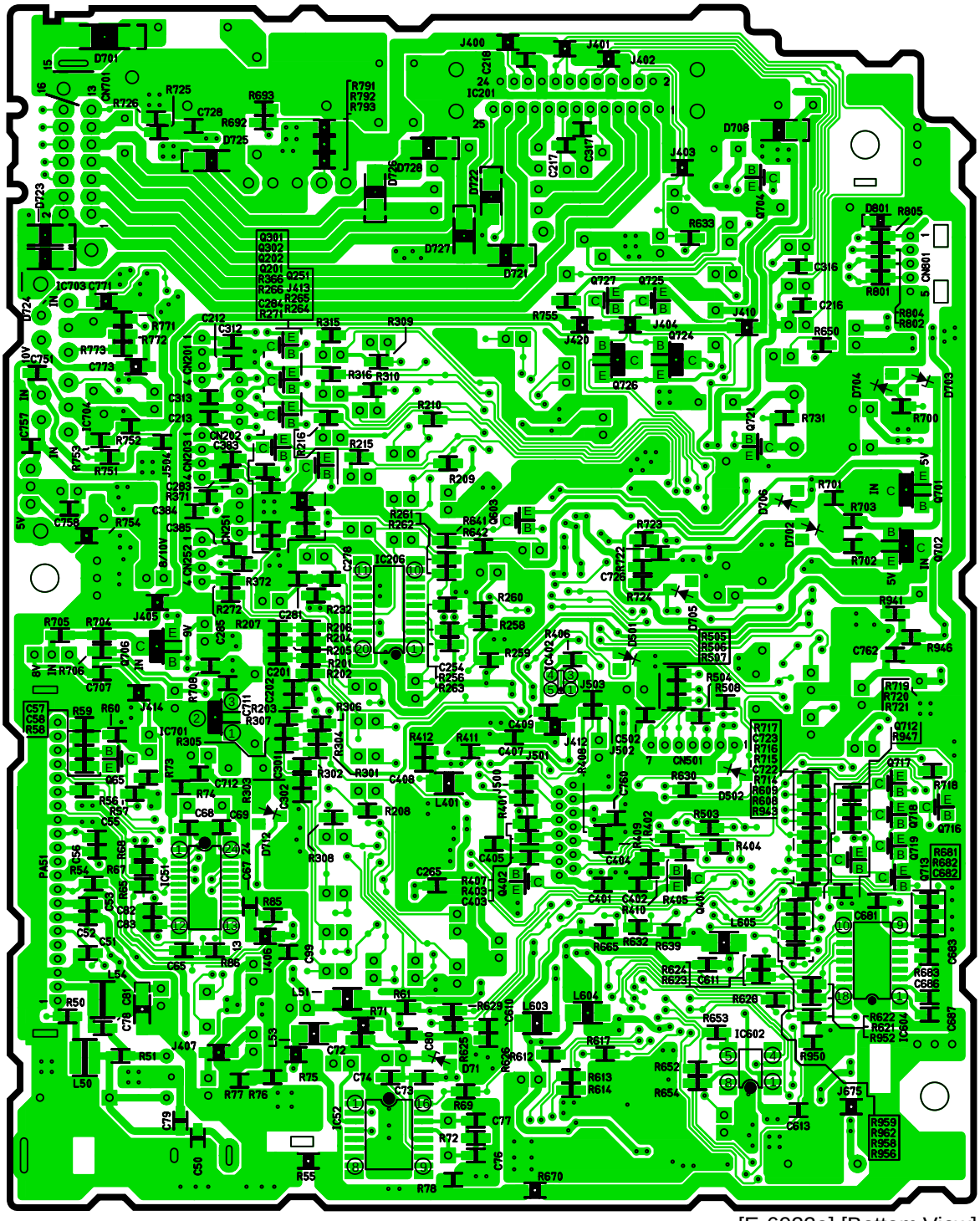
18.3. Main Block (Top View)

18.4. Main Block (Bottom View)
18.5. CD Servo Block (Top View) [CQ-HX1083U]
18.6. CD Servo Block (Bottom View) [CQ-HX1083U]
18.7. CD Servo Block (Top View) [CQ-HR1003U]
18.8. CD Servo Block (Bottom View) [CQ-HR1003U]
19. SCHEMATIC DIAGRAM-1
19.1. Esc. Block
20. SCHEMATIC DIAGRAM-2
20.1. Main Block [CQ-HX1083U]
20.2. Main Block [CQ-HR1003U]
20.3. Display Block
20.4. CD Servo Block [CQ-HX1083U]
20.5. CD Servo Block [CQ-HR1003U]
21. SCHEMATIC DIAGRAM for Printing with Letter Size
21.1. Main Block (Left Side) [CQ-HX1083U]
21.2. Main Block (Right Side) [CQ-HX1083U]
21.3. Main Block (Left Side) [CQ-HR1003U]
21.4. Main Block (Right Side) [CQ-HR1003U]
21.5. Display Block (Left Side)
21.6. Display Block (Right Side)
21.7. CD Servo Block (Left Side) [CQ-HX1083U]
21.8. CD Servo Block (Right Side) [CQ-HX1083U]
21.9. CD Servo Block (Left Side) [CQ-HR1003U]
21.10. CD Servo Block (Right Side) [CQ-HR1003U]

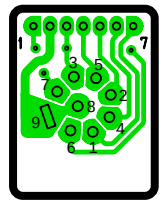
17 BLOCK DIAGRAM

17.1. Main Block

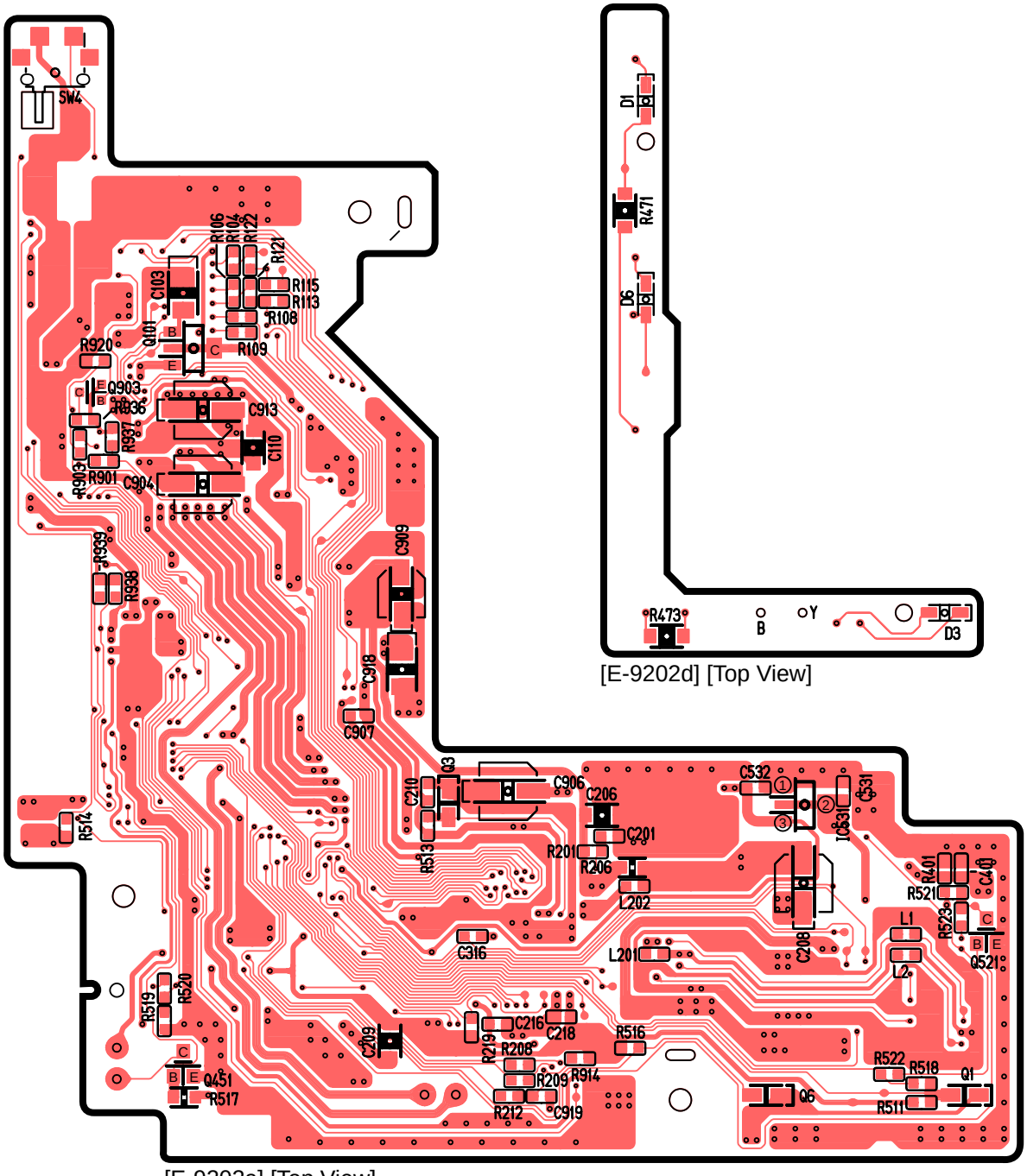




[E-6922a] [Bottom View]



[E-6922b]
[Bottom View]



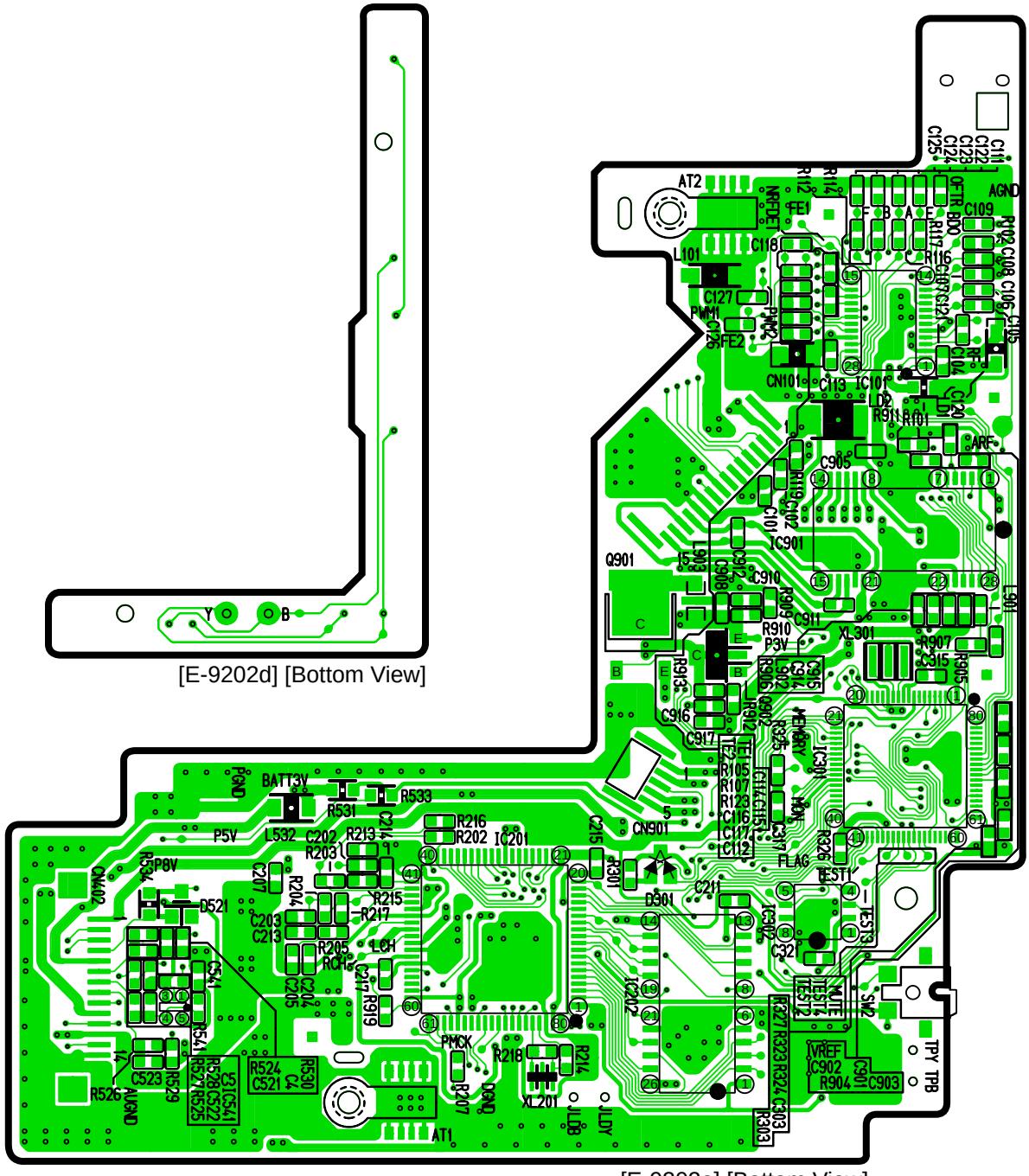
[E-9202d] [Top View]

[E-9202a] [Top View]

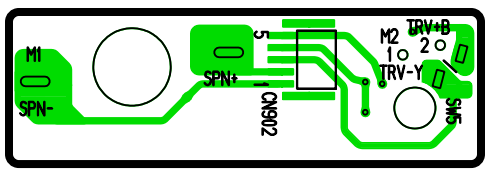
[E-9202c] [Top View]

[E-9202b] [Top View]

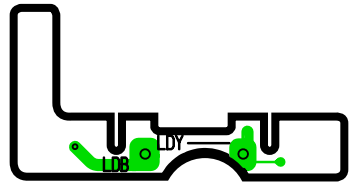
[E-9202d] [Bottom View]



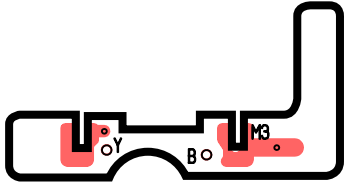
[E-9202a] [Bottom View]



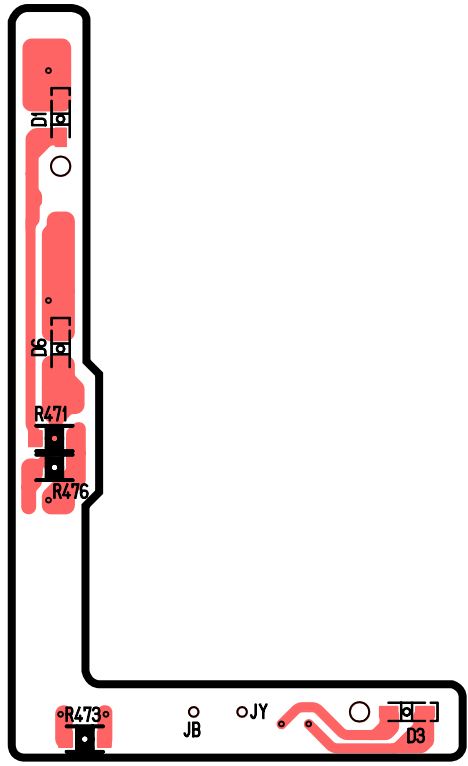
[E-9202b] [Bottom View]



[E-9202c] [Bottom View]



[E-8988d][Top View]



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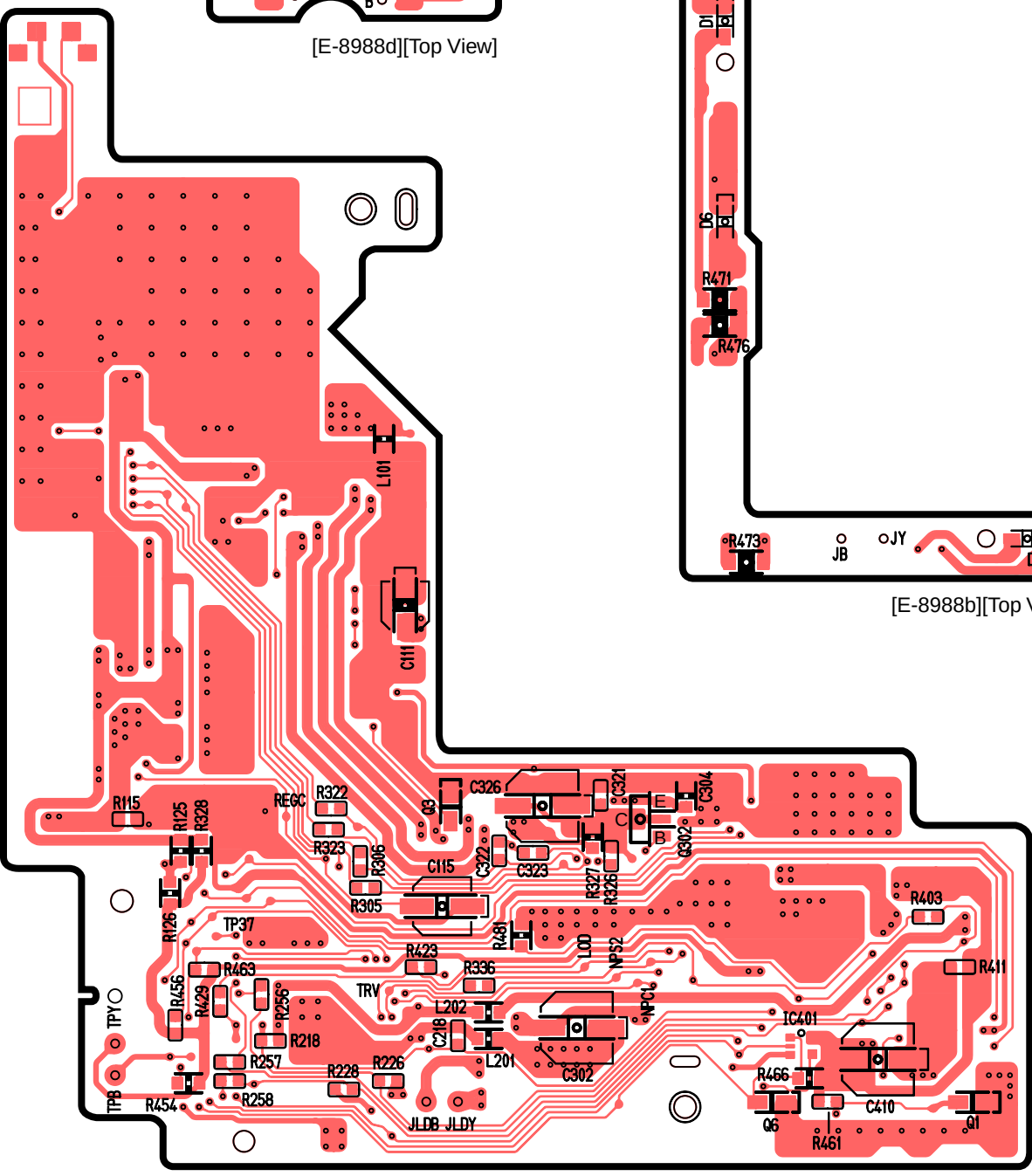
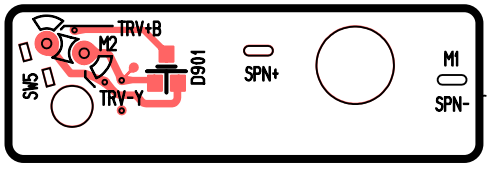
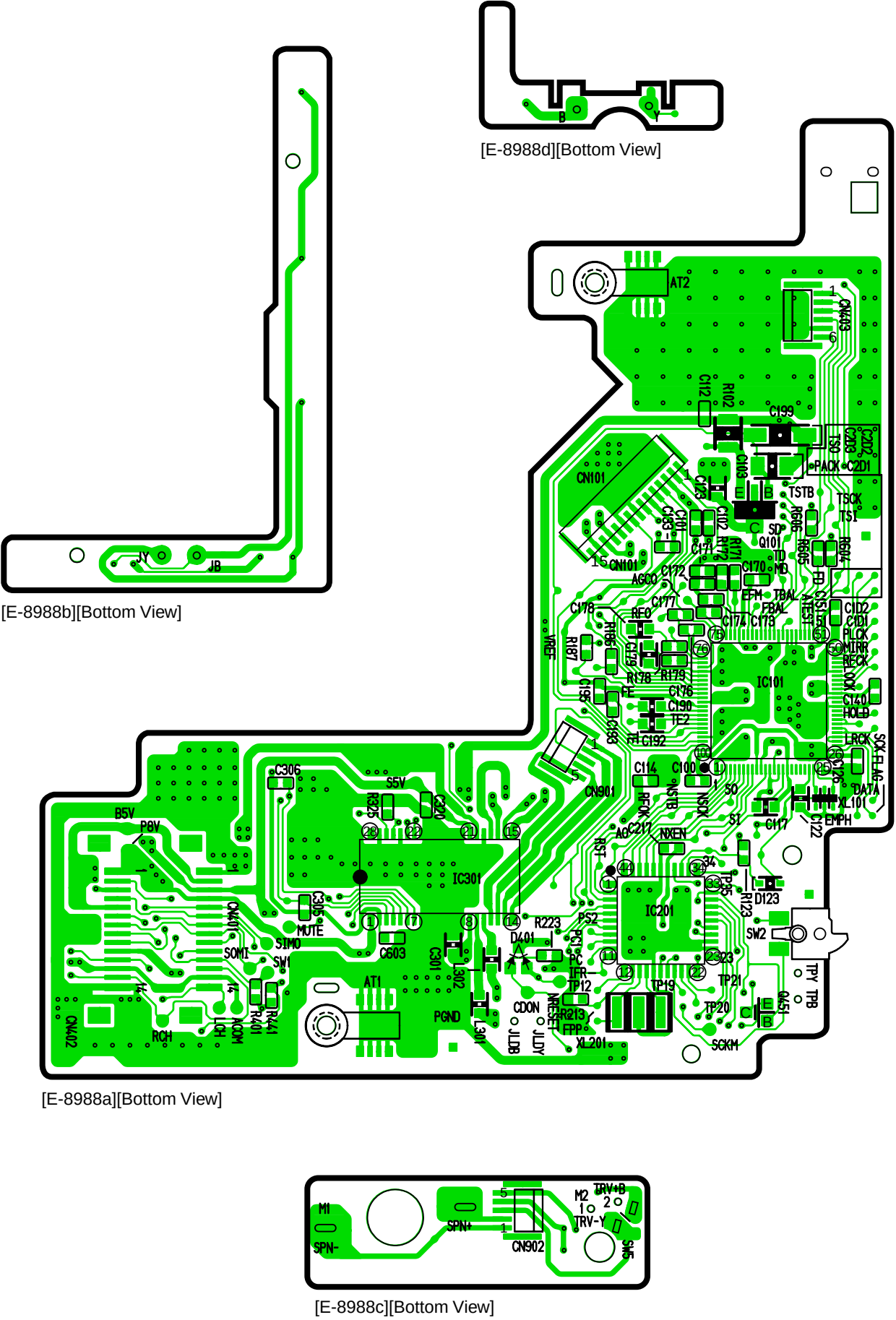
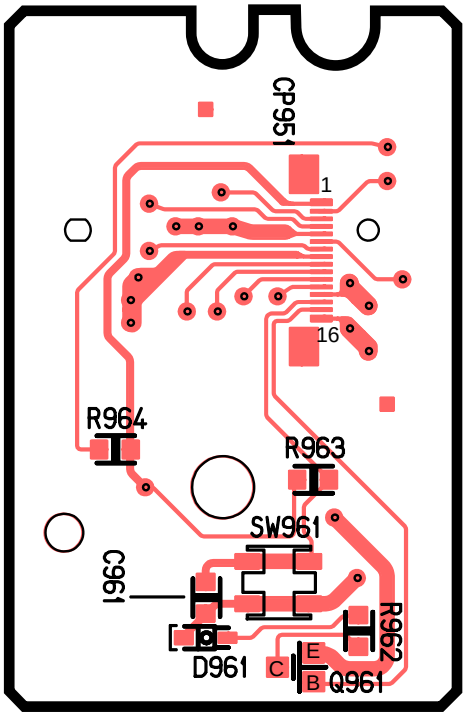


[E-8988a][Top View]

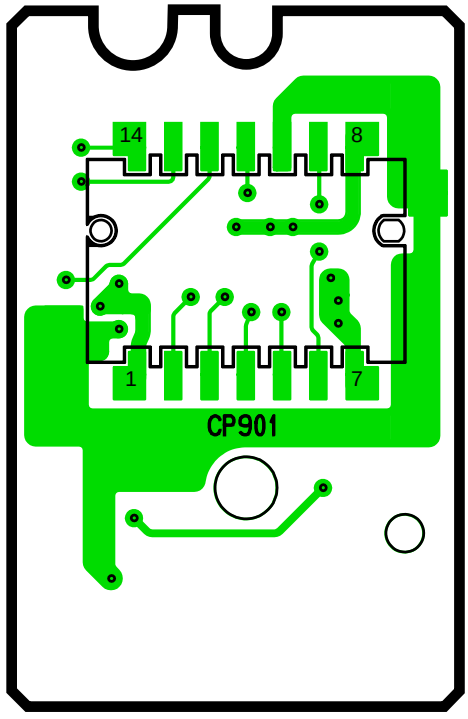


[E-8988c][Top View]

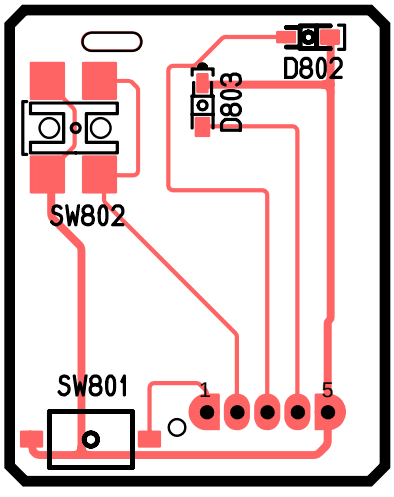

[E-8988d][Bottom View]
[E-8988b][Bottom View]
[E-8988a][Bottom View]
[E-8988c][Bottom View]



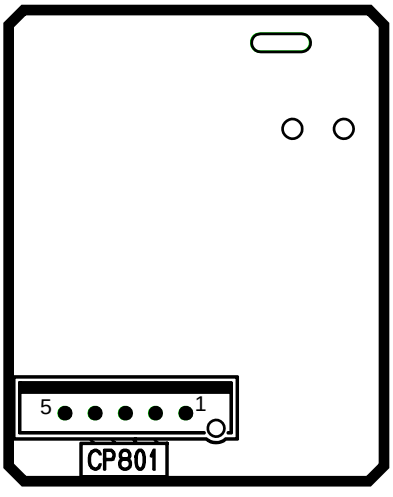
[E-9231a] [Top View]



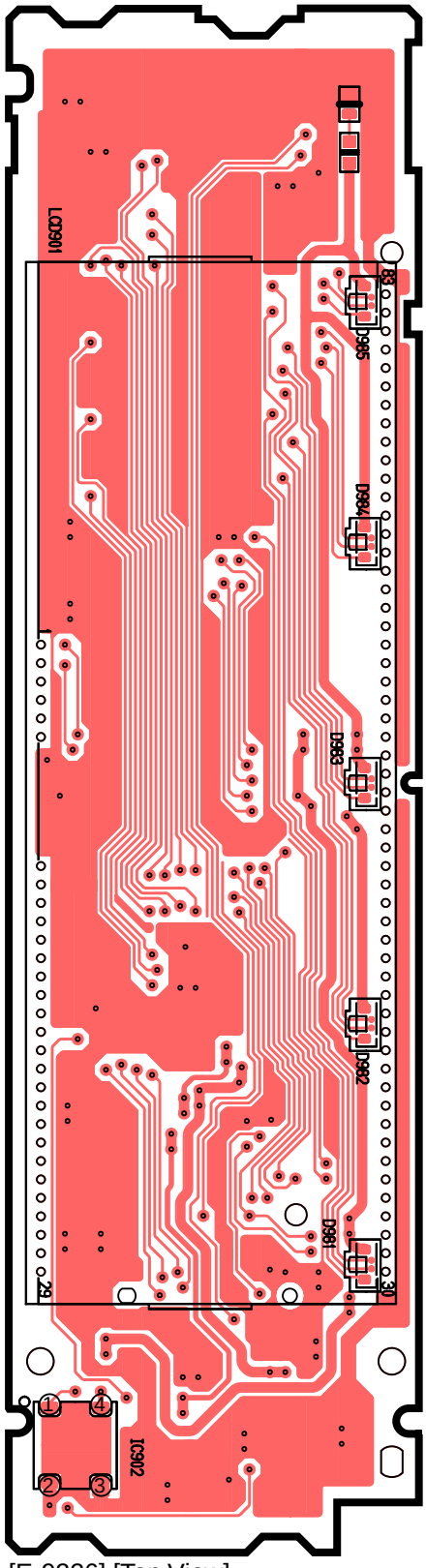
[E-9231a] [Bottom View]



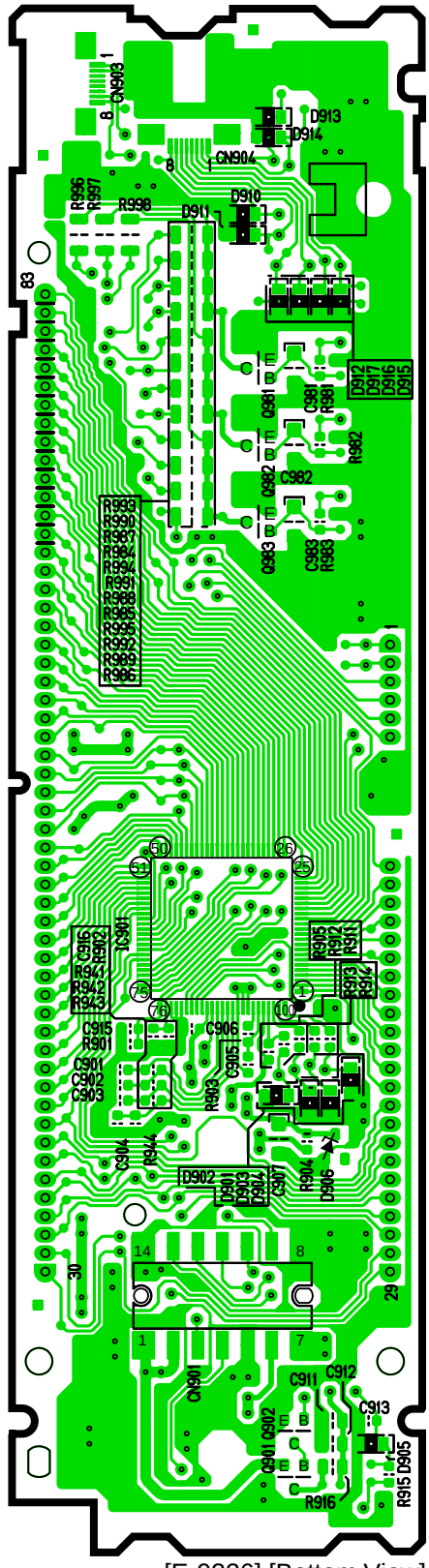
[E-9231b] [Top View]



[E-9231b] [Bottom View]



[E-9226] [Top View]



[E-9226] [Bottom View]

E-6922a

IC703 C0CA4YG00005 — IC703 +10V REG

IC704 C0CA4YG00005 — IC704 +10V REG

IC705 Y1AHPC7805H — IC705 +5V REG

CD. C-IN

AUX IN

FRONT

REAR

S-W-OUT

PA51 C5BA00000109 — PA51 FM/AM TUNER PACK

IC201 C1EA00000029 — IC201 POWER AMP

IC202 AUDIO SELECT TONE CONTROL

IC204 SUB W PRE AMP

IC206 SUB W AMP C1BB00000650

IC205 PRE AMP

IC501 INVERTER Y1AHC1456482

IC601 CPU C2DBK.000132

IC604 SPECTRUM ANALIZER

IC51 PLL

IC702 C0CBZZE00001 — IC702 +9V REG

IC603 BATT/ACC DETECT-RESET

TO E-8988a CN402

TO E-6922b CP501

TO E-6922a CN501

TO E-9231b CP801

TO E-9231a CP951

The following symbols are shown on the schematic diagram.

+B	9V	RADIO	(L,R)
ACC	8V	CD	(L,R)
10V	5V	AUDIO	(L,R)

CD-HR1003U MAIN

E-6922a

IC703 C0CA4YG00005 — IC703 +10V REG
IC704 C0CA4YG00005 — IC704 +10V REG
IC705 Y1AHPC7805H — IC705 +5V REG
CN751
R728 1K
CN201 BATT / ACC / REMO / CAN-BUS / ANT.CNT / AMP.CNT / FL ⊖ / FL ⊕
D721 D722 D725 D726 D727 D728 M4736TX
D723 D724 M4736TX
L702
B1
V1 V2
YB1
C272 16V4700
B671 10K
OFFSET.DET
Q751 B1GBCFN00004
R650 5.6K
C273 16V10
C218 0.1
D750 Y1AHPC6R8
R649 15K
R656 10K
AMP.MUTE
Q753 B1GBCFN00004
DET.CNT
C214 50V0.47
R221 560
C314 50V0.47
R321 560
C315 50V0.47
R322 560
C215 50V0.47
R222 560
AMP.CNT
IC201 C1EA00000029 — POWER AMP
CLIP P.GND OUT-FR- MUTE OUT FR P.VCC OUT-RR- P.GND OUT-RH AC-GND IN RR IN FR IN GND IN FL IN RL SVR OUT-RL+ P.GND OUT-RL- P.VCC OUT-FL+ STBY OUT-FL- P.GND GND
C274 50V2.2
C217 4700P
C216 4700P
C316 4700P
C317 4700P
C276 50V1
D708 M4736TX
C705 16V2200
R633 22K
IC702 C0CBZZE00001 — +9V REG
C116 C117 C118 10V47
CN801 RESET/+KEY PANEL.OP/CL LOAD.ILL S.LED GND
TO E-9231b CP801
FRONT F.Lch F.Rch — CN201
REAR R.Lch R.Rch — CN202
S-W-OUT Lch Rch — CN203
CD.C-IN Lch Rch — CN251
AUX IN Lch Rch — CN252
C312 C313 C212 C213 C383 C283 C384 C284 C385 C285 220P
R318 R319 R386 R387 R372 R272 G1CYY200003
R317 R217 R320 R220 10K
Q301 Q201 Q302 Q202 B1GBHBEA0004
Q303 Q203 Q304 Q204 B1GDCFJJ0002
R264 56
C259 50V3.3
D251 B1GDCFJJ0002
R306 330K
R215 R216 R316 R315 56
C210 C211 C311 C310 50V3.3
C271 C270 0.01
C269 C268 C267 C266 1000P
C265 C264 C263 C262 100/100
IC205 PRE AMP
R314 R313 R312 R311 10K
C309 C308 C307 C306 50V3.3
R322 R221 R222 R321 2.2K
R212 R213 R214 R211 33K
C209 C208 C207 C206 50V3.3
R210 R209 R208 R207 22K
C205 C204 C203 C202 1500P
R205 R204 R203 R202 10K
R201 R206 5K
R305 R304 R303 R302 R301 5K
R306 4.7K
R204 5.6K
C206 C201 C304 C303 50V1
C305 C301 50V0.33
R308 18K
IC206 C1BB00000650 — SUB W AMP
C279 1000P
R252 39K
R253 10K
C252 0.18
IC204 SUB W PRE AMP
C251 0.01
C253 0.082
R255 10K
R251 22K
C256 0.18
Q605 B1GDCFJJ0002
R256 2200P
IC202 AUDIO SELECT TONE CONTROL
C200 C1BB00000643
R351 22K
R644 R645 1K
C265 0.1
C266 1000P
R651 100K
SCL SDA
IC201 C1EA00000029 — POWER AMP
D708 M4736TX
C705 16V2200
R633 22K
Q603 B1GDCFJJ0002
R641 1K
AP.MUTE
R634 R635 0.01
C614 C615 0.01
P1701 4.7
Q722 Q724 Q726 YEANH01F3PT1
Q723 Q725 Q727 YEANC114YKX
AMP.CNT
4B
D705 M4721TX
BATT.5V
VDD.5V
IC603 BATT/ACC DETECT-RESET
C726 0.18
R724 39K
R723 220K
R722 33K
R731 10K
Q721 YEANC114YKX
RESET
BZ701 YEABSPKW18PP
D702 M4721TX
Q701 B1BBAC000007
Q702 B1BBAC000007
R701 4.7
R702 4.7
R703 10K
D703 YEADRC56W31E
C701 470
C703 50V4.7
C704 6.3V47
D704 M4721TX
MAIN.CNT
IC501 INVERTER Y1AMC145B4BE
C502 6.3V47
C503 0.01
CN-DATA CN-STRB CN-SENS
R505 R506 R507 R508 100K
D502 M43L1524QL
CN501
TO E-6922b CP501
D501 M4721TX
C501 0.01
C504 0.1
R502 R503 R504 1K
R501 1.5K
R661 1K
R662 R663 100K
C661 C662 0.1
IC604 SPECTRUM ANALIZER
TO E-9202a CN402
CN401 P.GND A.GND D.OUT-L D.OUT-R POWER.5V CD.SCK CD.SO CD.SI(MD) CD.SI(MD) BAT+13.3V CD.RESET NC MUTE POWER+8V
IC401 Y1AM7200J33T
C407 0.22
C408 C409 6.3V220
R412 33K
C401 C760 0.01
R407 R408 R409 R410 3.3K
R403 1K
L401
R401 R402 2.2K
Q401 B1GDCFN00004
IC402 Y1AMT7533KXL
C402 C403 0.01
CD.ON CD.SCK CD.SI CD.RESET CD.MUTE CD.SO
R705 1
Q705 2SD2139TA
R706 820
D709 YEADRD82W11
D710 MA3152KDL
C706 C707 0.01
C708 100/100
R709 180 1/2W
C712 0.01
D711 B0BCRR00001
R704 1
R708 820
Q706 B1BBAC000007
C709 0.01
C710 100/100
PA51 FM/AM TUNER PACK — C5BA00000109
R59 39K
C57 1000P
Q63 B1GBCFN00004
C56 0.027
C55 0.027
C53 0.01
C52 0.01
C54 10V220
C81 25V1
L50 G1CL50K00011
C58 470
C51 200
C78 470
C751 470
CN751
Q62 B1GDCFJJ0002
R53 R54 1K
Q64 Y1AMPTP1811
D712 MA721TX
R64 10
C64 0.022
R63 1K
C63 0.22
Q61 Y1AAZSK53618
C62 0.01
C61 C60 100/200
C59 100/200
IC51 PLL
C67 0.01
C66 6.3V100
C65 100P
R68 2.2K
R67 R65 47K
R66 4.7K
R69 R70 R71 R72 1K
C68 120
C69 120
X1A51 H0J1A0000006
IC51 C1BB00000644
R85 1.5K
R86 220
R87 1K
L51
R75 IL1
TO E-6922a CN501
CN502
IC501
IC601 CPU
C2DBKJ000130
R615 1K
PLL.CE
R610 R611 R612 R613 R614 1K
R655 5K
R628 R630 R631 1K
R627 1K
R640 1K
R637 S.LED EJ.ILL
R654 100K
R651 47K
C613 0.1
C612 0.1
L601
C606 10
C605 12P
X1A01 H0J1A7500009
C604 15P
C603 50V2.2
CN601 RESET VDD GND S1 SO SCK VPP
R667 100
R668 EP.DI
R669 EP.DO
R666 VPP
2V/DIV-10uS/DIV
2V/DIV-20uS/DIV
2V/DIV-2uS/DIV
1V/DIV-0.1uS/DIV
EP.DO EP.DI EP.CLK
CH.DATA CH.CLK
SUB.F.CNT
SCL SDA
AMP.MUTE AMP.CNT ANT.CNT INV.CNT DIM1 DIM2 DET.CNT
R641 4.7K
R642 4.7K
C610 0.01
R643 1K
R644 10K
Q601 B1GDCFJJ0002
R645 180K
R646 2.2K
C611 0.1
R647 1K
R648 4.7K
R649 1K
R650 1K
R651 1K
R652 1K
R653 1K
R654 1K
R655 1K
R656 1K
R657 1K
R658 1K
R659 1K
R660 1K
R661 1K
R662 1K
R663 1K
R664 1K
R665 1K
R666 1K
R667 1K
R668 1K

The following symbols are shown on the schematic diagram.

<10V>	10V
<9V>	9V
<5V>	5V

LCD91 L5AZAM000002 LUC1131A

CN903

SW91 N28ABG800003 NGX0100-1901L

CN904

IC902 IR RECEIVER

IC902 B3MZ07000006

C913 1000P

C911 1

C912 1

R916 100

D905 MA8056LWHTX

Q901 B1GDCFJJ0002

Q902 B1GBCFNN0004

R915 100

CN901

TO E-9231a CN901

D901 MA8056LWHTX

D902 MA8056LWHTX

D903 MA8056LWHTX

D904 MA8056LWHTX

R914 1K

R913 1K

R912 1K

R911 1K

D981 B1ABCF000044

D982 B1ABCF000044

D983 B1ABCF000044

R981 10K

R982 10K

R983 10K

R984 560

R985 680

R986 750

R987 560

R988 680

R989 750

R990 560

R991 680

R992 750

R993 560

R994 680

R995 750

R996 560

R997 680

R998 750

D981 B3JZB0000022

D982 B3JZB0000022

D983 B3JZB0000022

D984 B3JZB0000022

D985 B3JZB0000022

R904 270

D906 B0BCBF100002

C907 15P/2

R905 10K

R941 2.2K

R942 2.2K

R943 2.2K

R944 2.2K

C901 0.1

C902 0.1

C903 0.1

C904 0.1

C905 220P

R903 33K

D915 MA8056LWHTX

D914 MA8056LWHTX

D913 MA8056LWHTX

D912 MA8056LWHTX

D911 MA8056LWHTX

D910 MA8056LWHTX

C916 1800P

C915 1800P

R902 120K

R901 120K

D916 MA8056LWHTX

D917 MA8056LWHTX

IC901 LCD DRIVE

IC901 C0HBA000004B

2V/DIV·2mS/DIV

2V/DIV·1mS/DIV

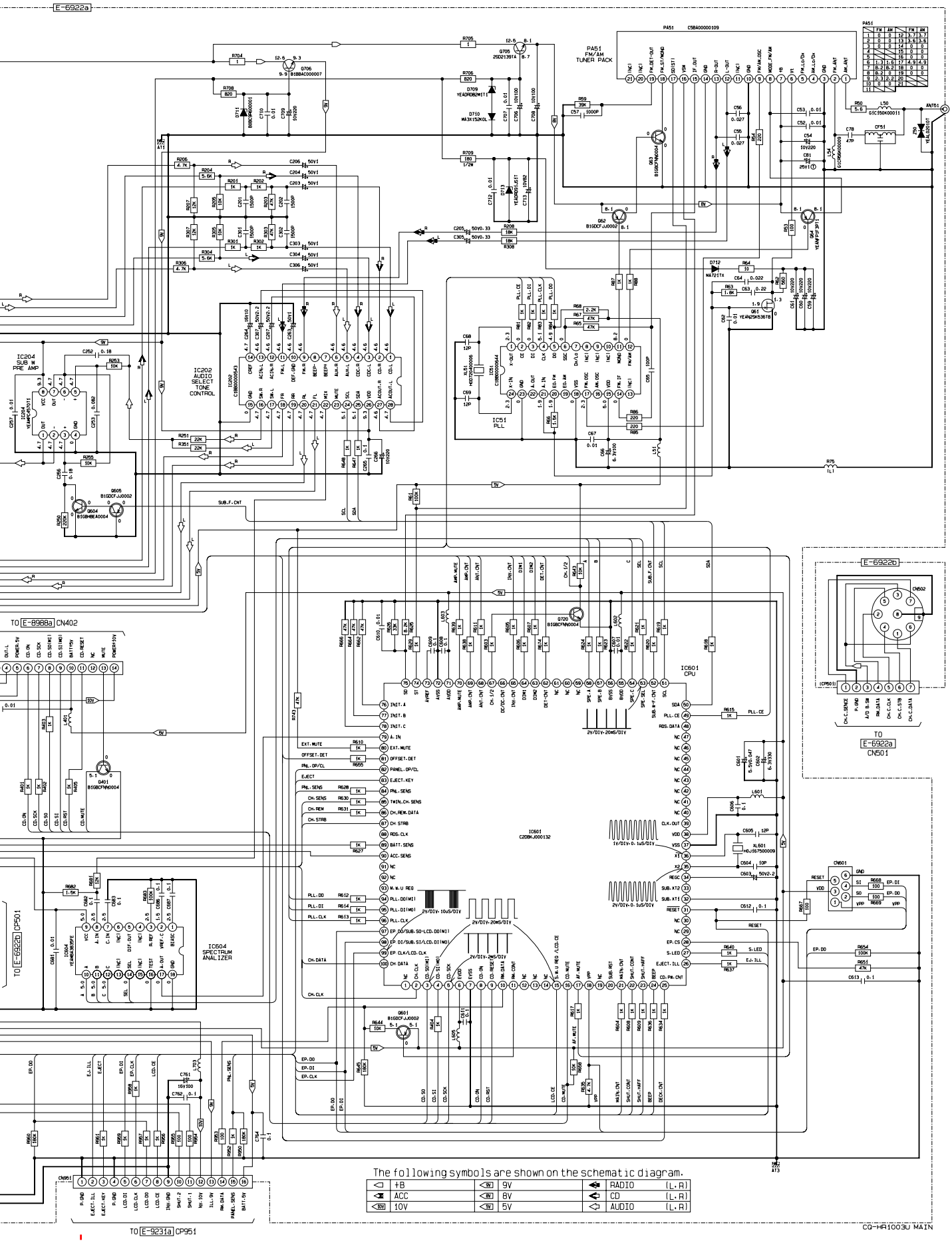
2V/DIV·2uS/DIV

2V/DIV·20mS/DIV

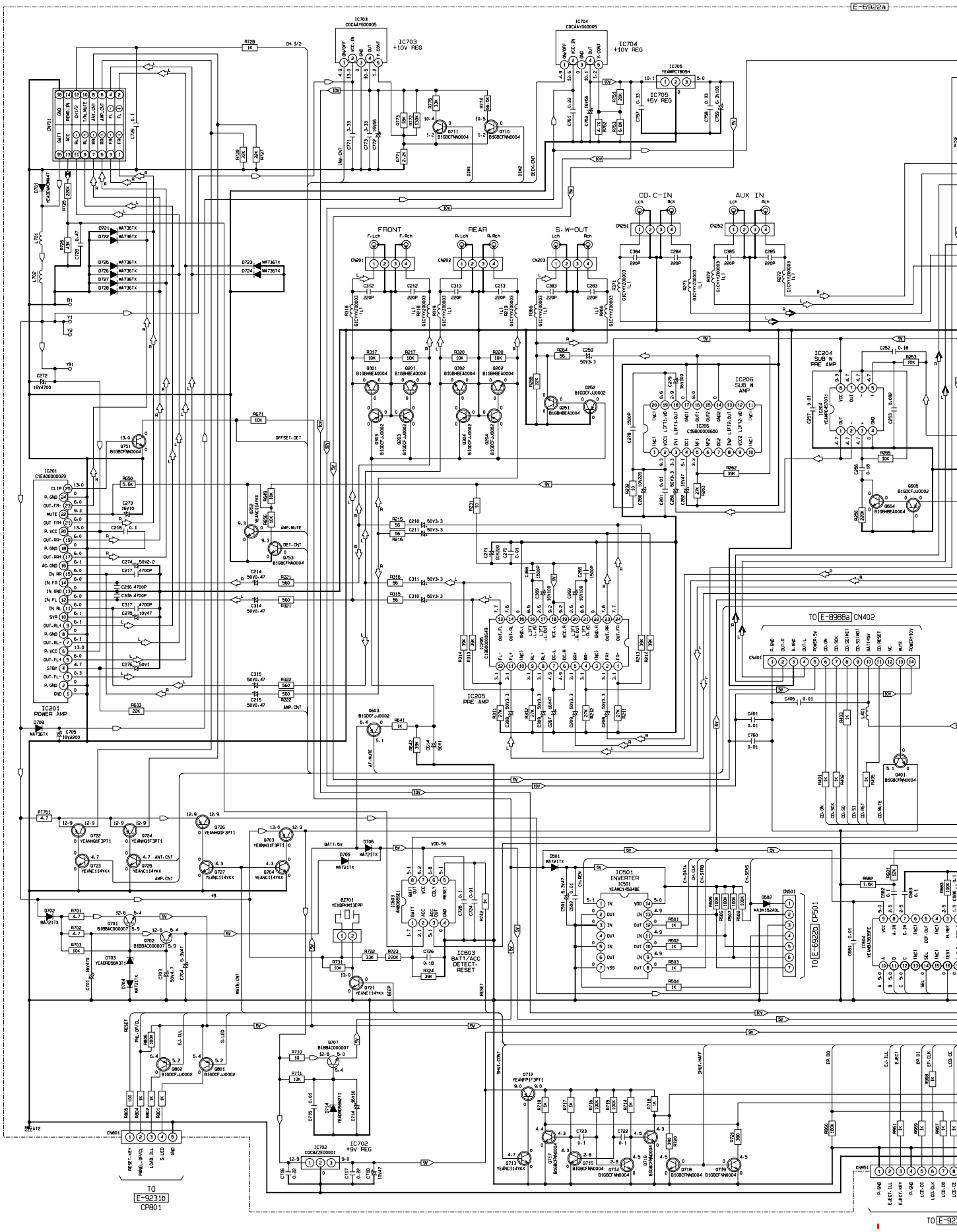
2V/DIV·20mS/DIV

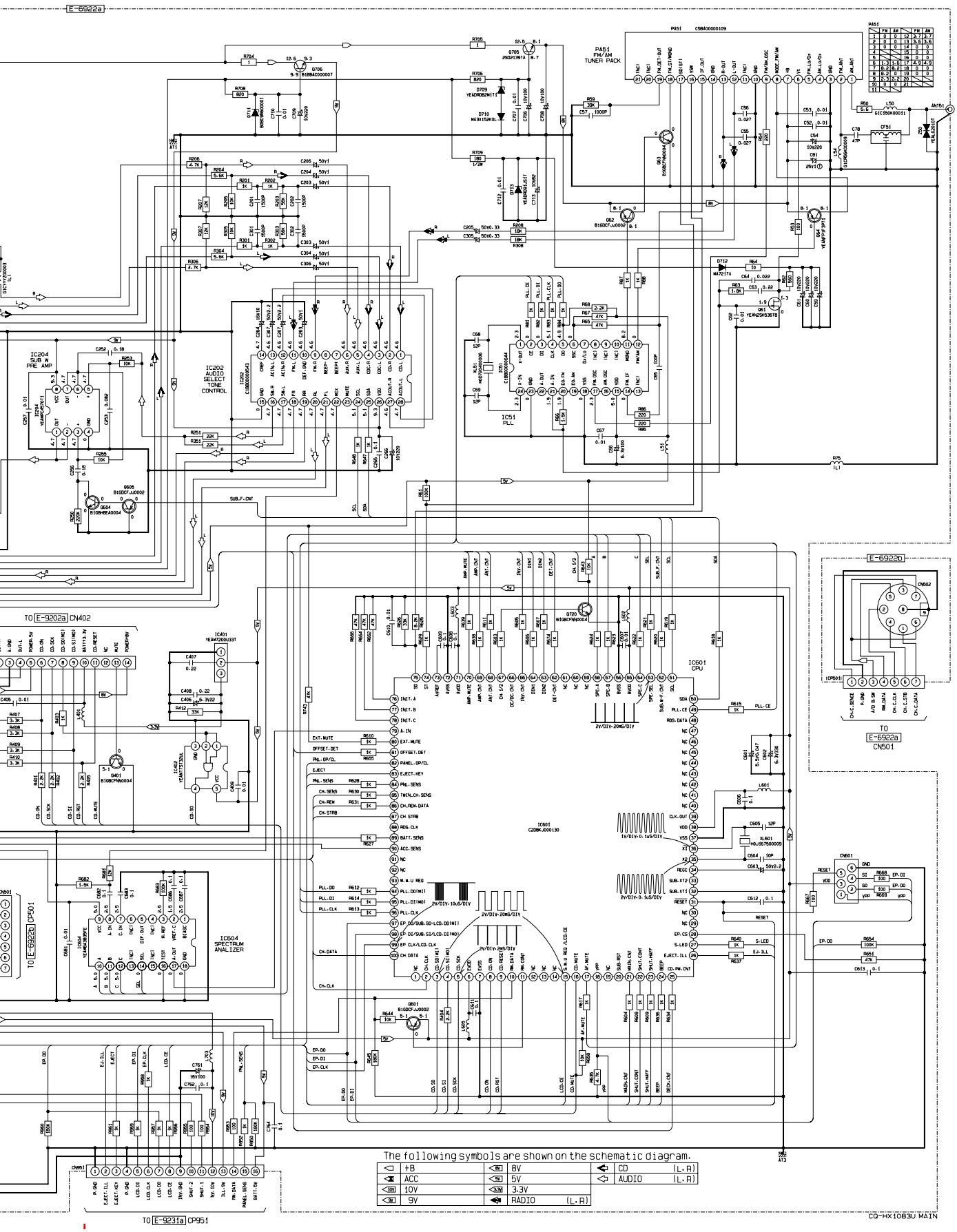
2V/DIV·1mS/DIV

LCD901 L5ACALD00007


E-6922a
PA51
FM/AM
TUNER PACK
IC204
SUB W
PRE AMP
IC202
AUDIO
SELECT
TONE
CONTROL
IC51
PLL
IC601
CPU
IC604
SPECTRUM
ANALIZER
E-6922b
CN502
CN501
TO E-6922a CN501
TO E-6988a CN402
TO E-6922b CP501
TO E-9231a CP951
SUB.F.CNT
SCL
SDA
5V
8V
9V
10V
The following symbols are shown on the schematic diagram.
+B
ACC
10V
9V
8V
5V
RADIO (L.R)
CD (L.R)
AUDIO (L.R)
CG-HR1003U MAIN

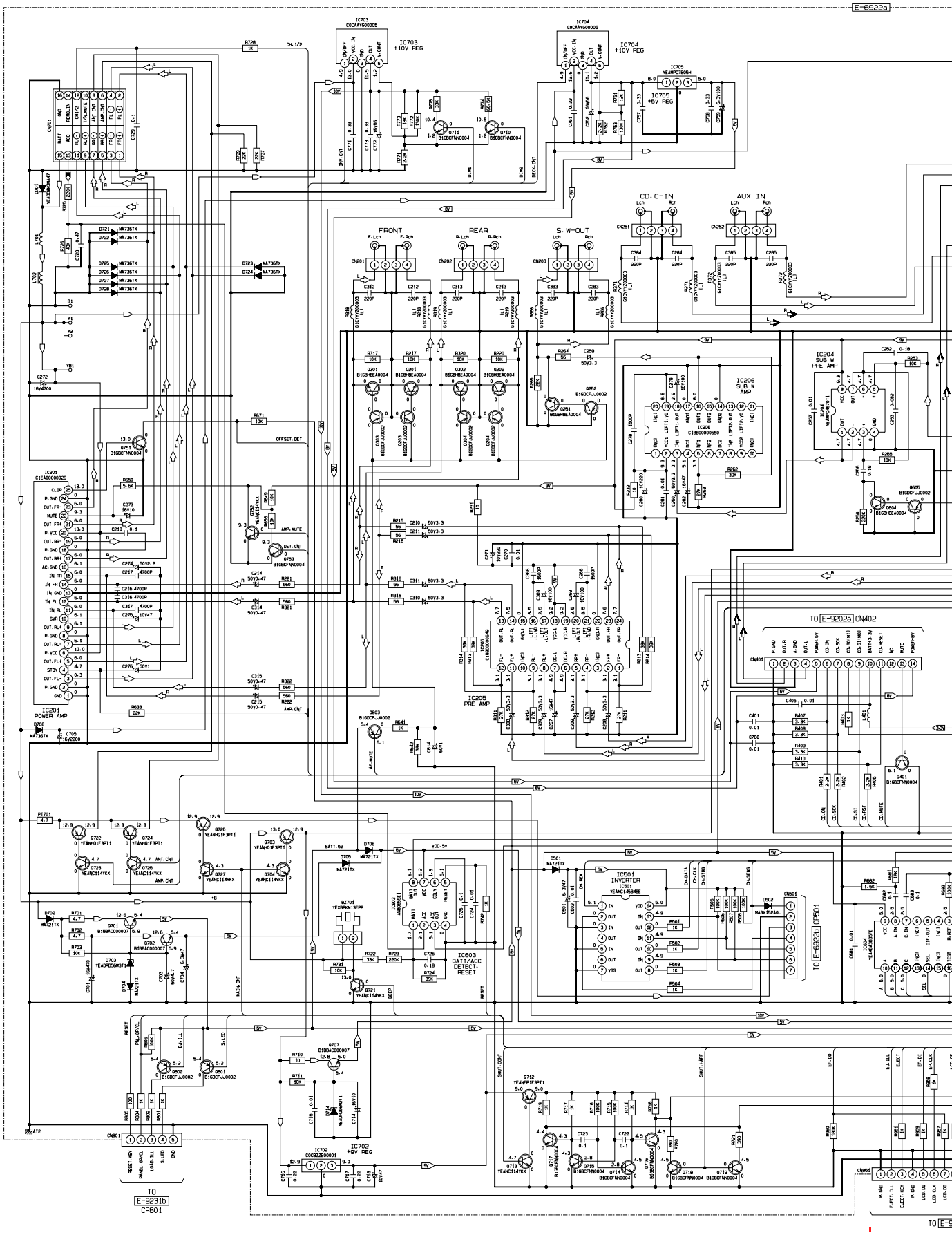
20.2. Main Block [CQ-HR1003U]




E-6922a
PA151 FM/AM TUNER PACK
IC204 SUB W PRE AMP
IC202 AUDIO SELECT TONE CONTROL
IC51 PLL
IC601 CPU
IC604 SPECTRUM ANALIZER
TO E-9202a CN402
TO E-6922b CP501
TO E-9231a CP951
E-6922b
CN602
TO E-6922a CN501
SUB.F.CNT
The following symbols are shown on the schematic diagram.
+B
ACC
10V
9V
8V
5V
3.3V
RADIO (L.R)
CD (L.R)
AUDIO (L.R)
CQ-HX10B3U MAIN

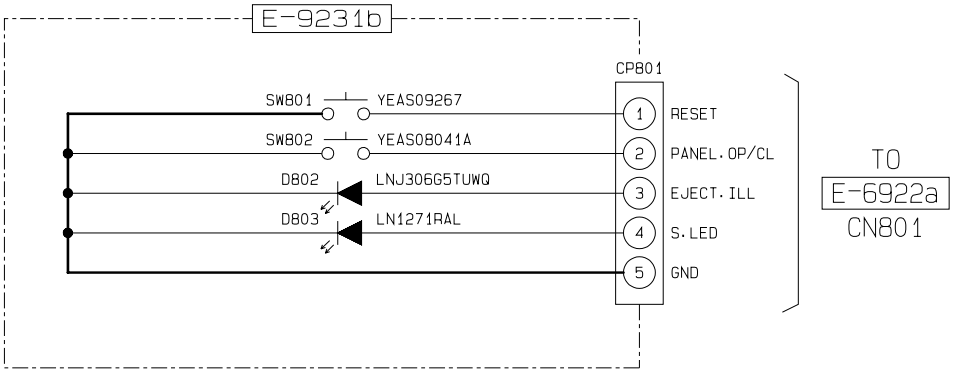
20 SCHEMATIC DIAGRAM-2

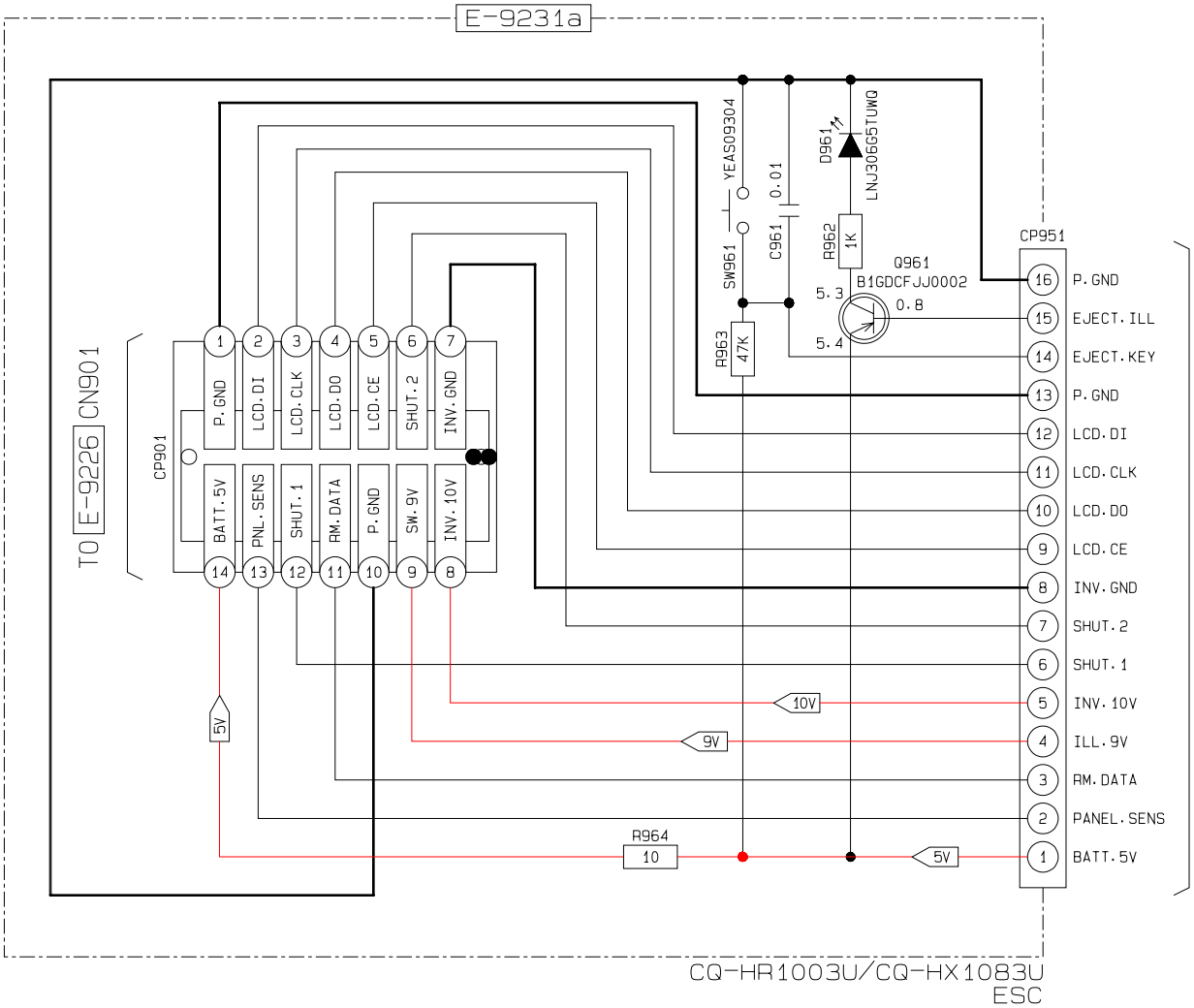
20.1. Main Block [CQ-HX1083U]

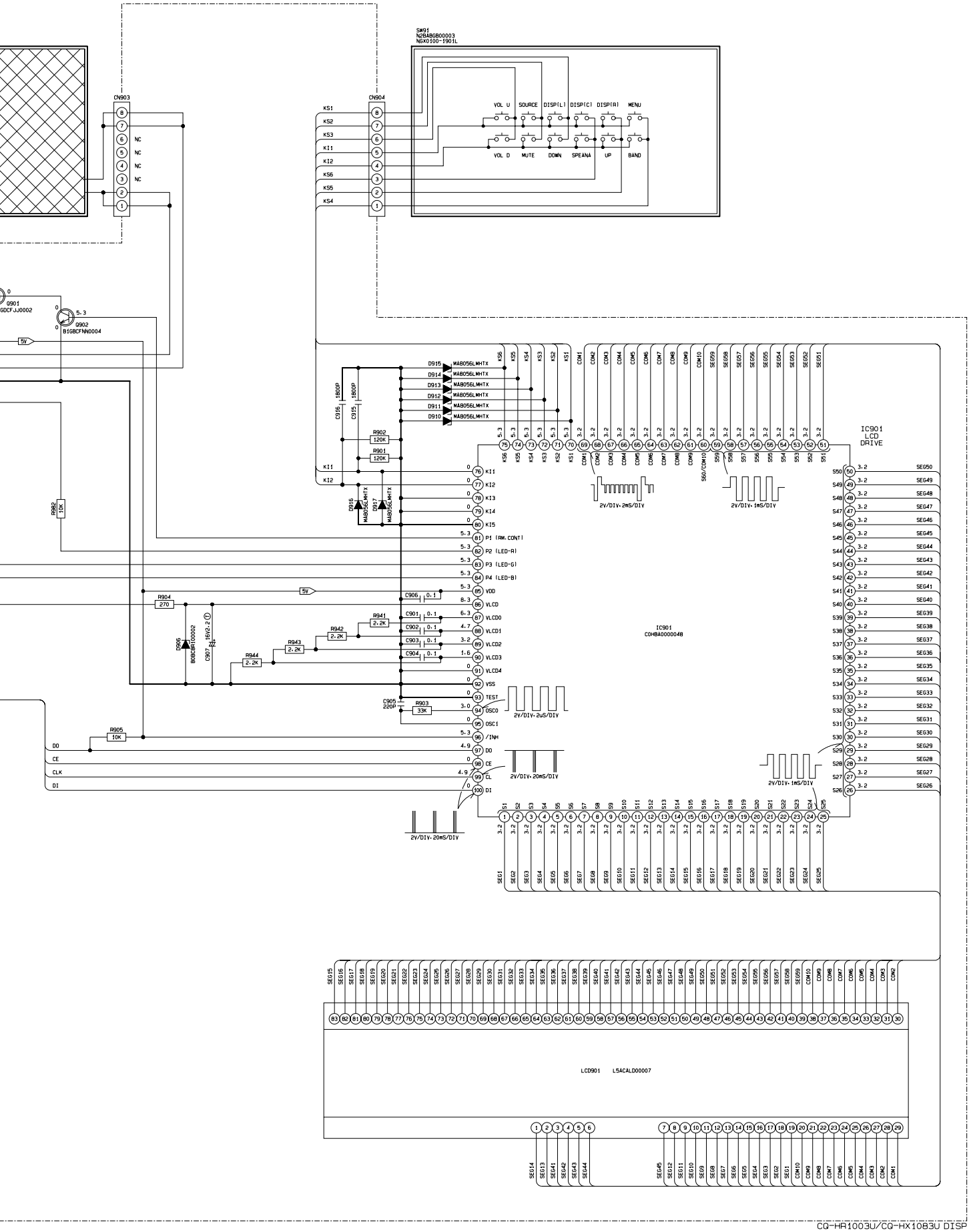


The following symbols are shown on the schematic diagram.

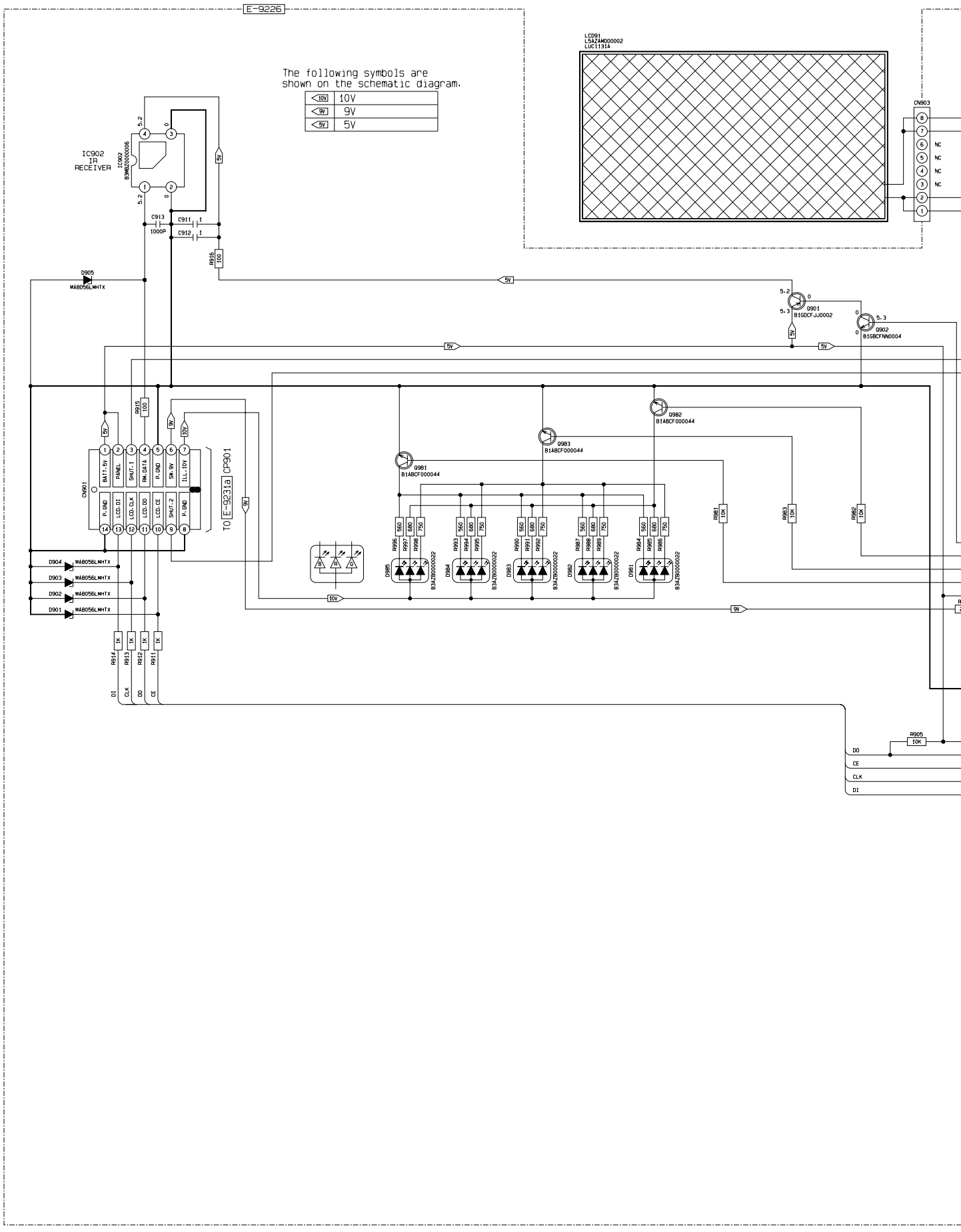
10V	10V
9V	9V
5V	5V

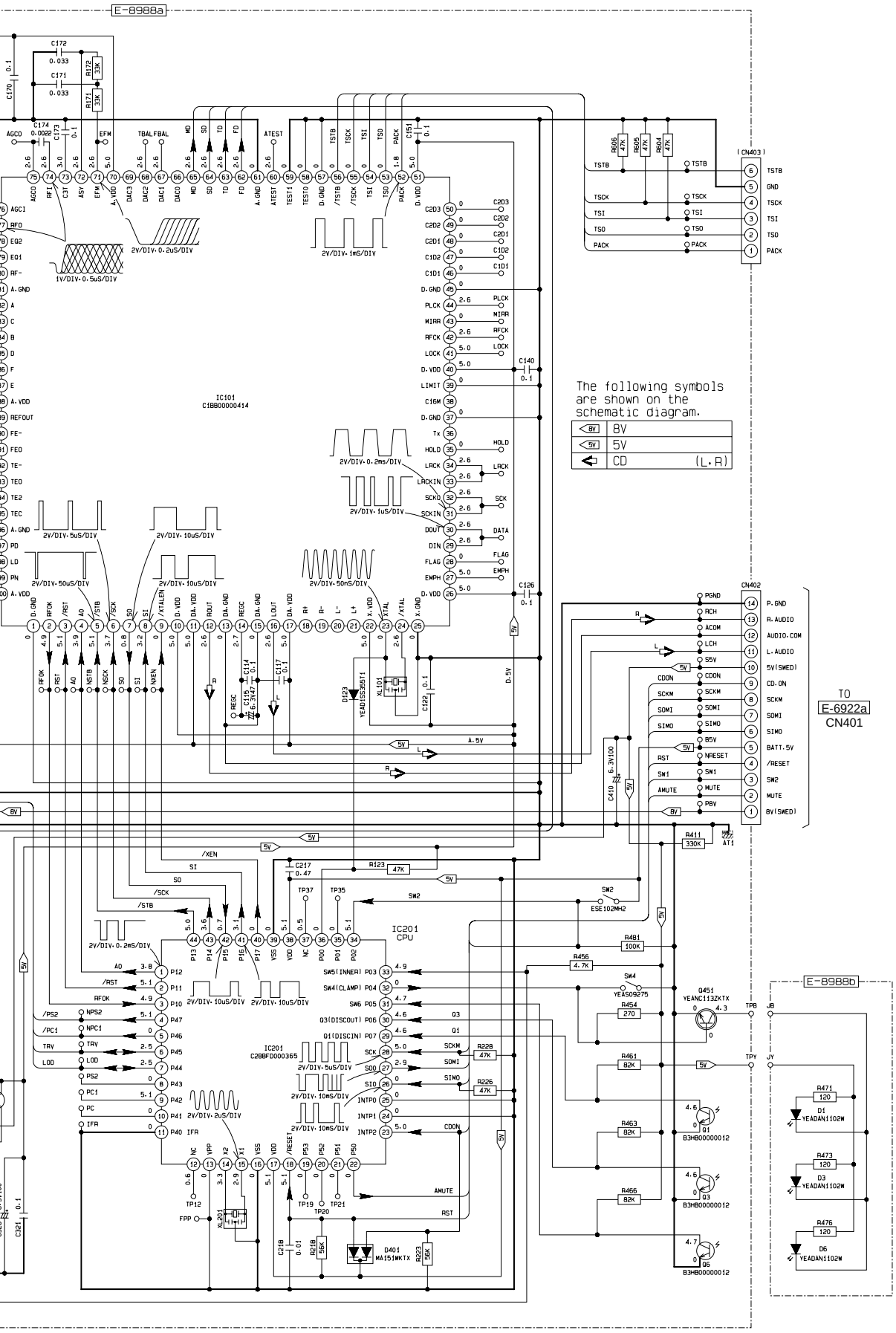




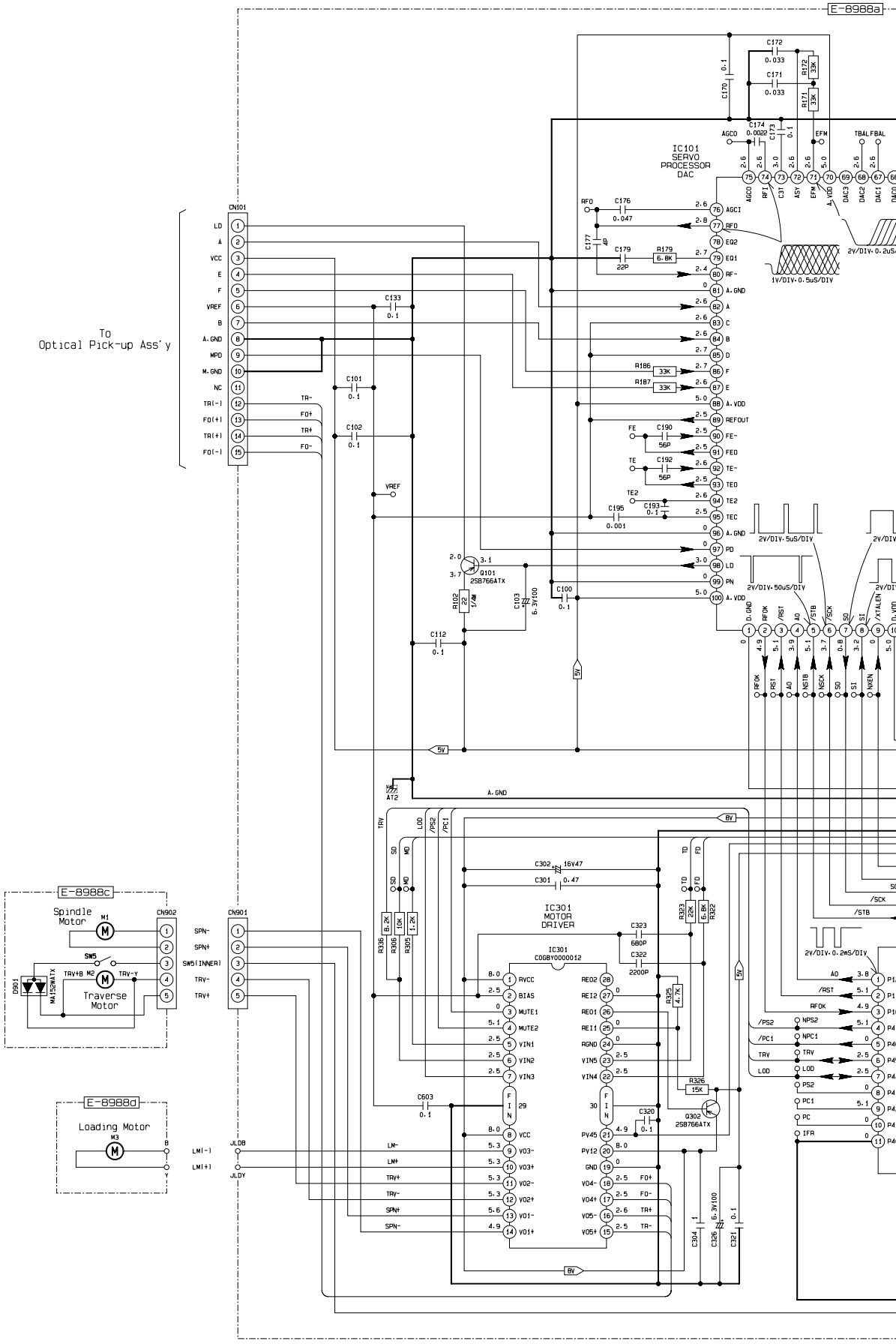

SW91
N2BABGB00003
NSX0100-1901L
VOL U
SOURCE
DISP(L)
DISP(C)
DISP(R)
MENU
VOL D
MUTE
DOWN
SPEANA
UP
BAND
CN903
CN904
IC901
LCD
DRIVE
IC901
C0HBA000004B
LCD901
L5ACALD00007
2V/DIV·2mS/DIV
2V/DIV·1mS/DIV
2V/DIV·2uS/DIV
2V/DIV·20mS/DIV
2V/DIV·1mS/DIV
2V/DIV·20mS/DIV
CQ-HR1003U/CQ-HX1083U DISP

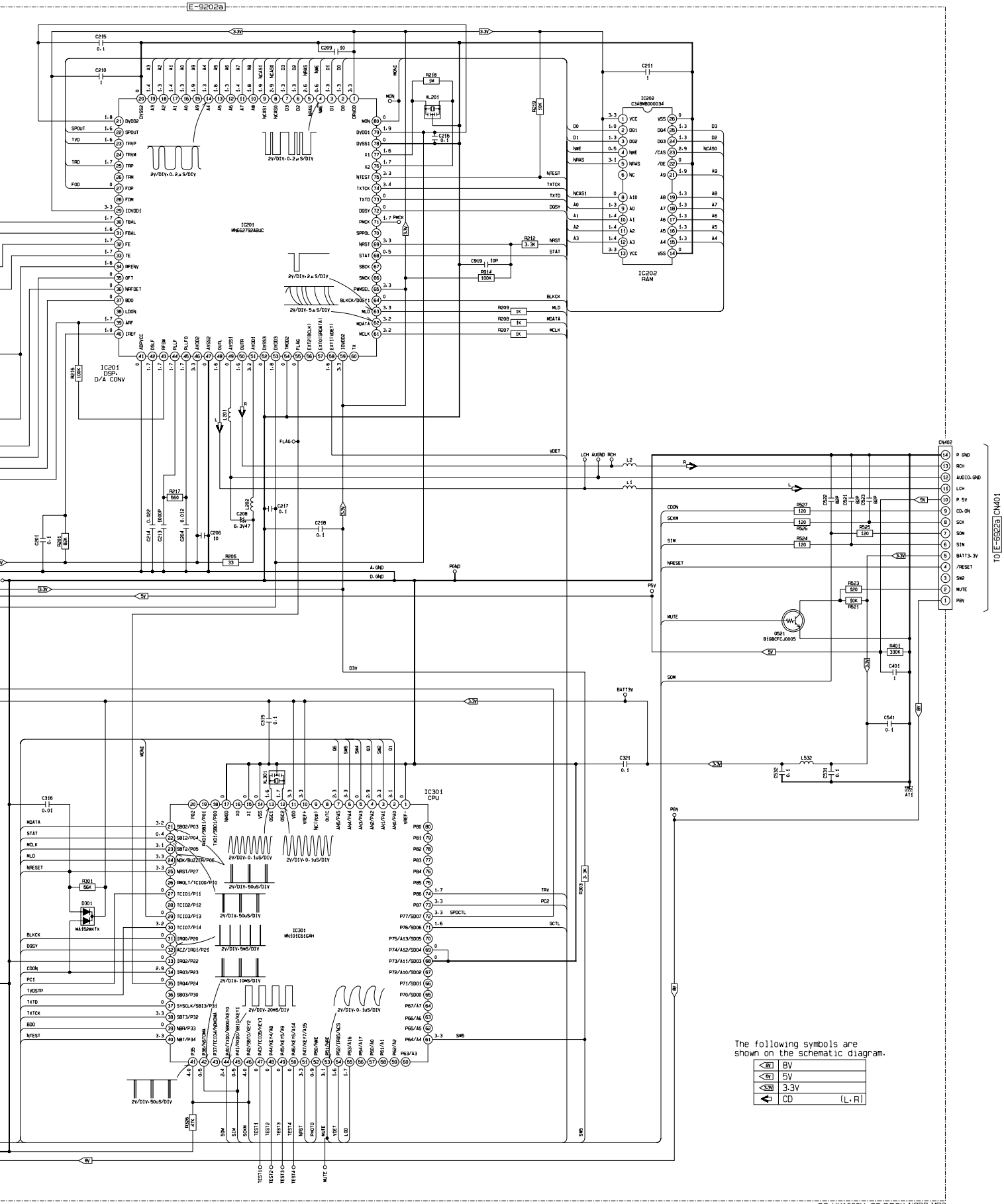
20.3. Display Block



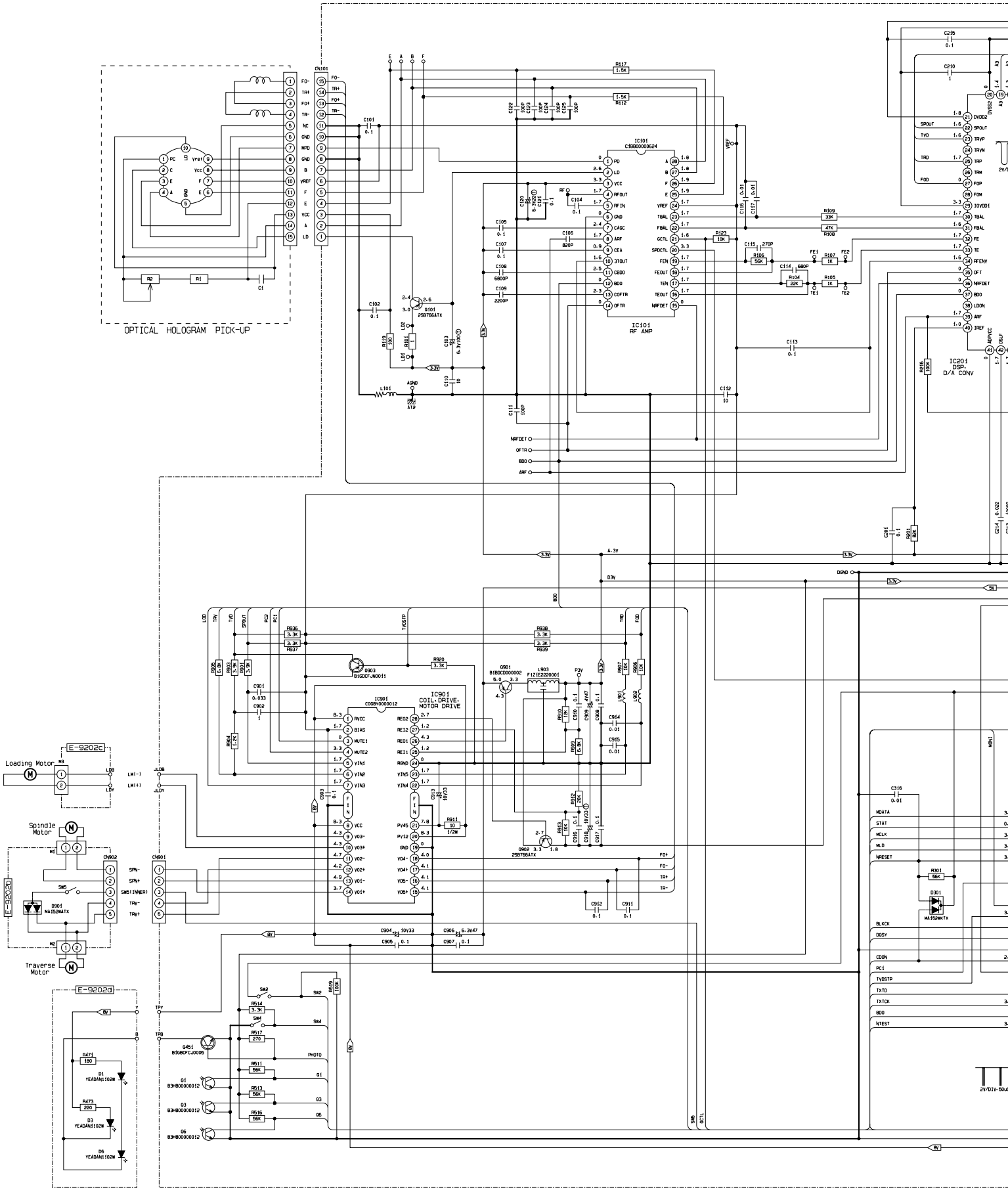

E-8988a
IC101
C1BB00000414
The following symbols are shown on the schematic diagram.
8V
5V
CD (L, R)
CN403
CN402
TO E-6922a CN401
IC201 CPU
IC201 C2BBFD000365
E-8988b
CQ-HR1003U CD DECK (NCD8)

20.5. CD Servo Block [CQ-HR1003U]




E-9202a
IC201
MN66270ABUC
DSP,
D/A CONV
IC202
C3ABM6000034
RAM
IC301
MN101C81GAH
CPU
CN402
TO(E-9922a) CN401
The following symbols are
shown on the schematic diagram.
8V
5V
3.3V
CD (L,R)

20.4. CD Servo Block [CQ-HX1083U]



E-9202a

OPTICAL HOLOGRAM PICK-UP

CN101

IC101 C1BB0000624 RF AMP

Q101 2SB766ATX

IC201 MN662782ABUC DSP, D/A CONV

XL201 16.9344MHz

IC202 C3ABMB000034 RAM

IC301 MN101C61GAH CPU

Q901 B1BDC0000002

L903 F1ZZE2220001

Q903 B1BGCFJN0011

IC901 C0GBY0000012 COIL DRIVE, MOTOR DRIVE

Q902 2SB766ATX

Q451 B1BGCFJ00005

Q521 B1BGCFJ00005

D901 MA152WATX

D301 MA152WATX

CN402

TO E-9202b CN401

E-9202c

Loading Motor M3

Spindle Motor M1

Traverse Motor M2

CN902

CN901

E-9202d

D1 YEADAN1102W

D3 YEADAN1102W

D6 YEADAN1102W

The following symbols are shown on the schematic diagram.

8V	8V
5V	5V
3.3V	3.3V
CD	(L.A)

E-8988a

To
Optical Pick-up Ass'y

CN101

IC101
SERVO
PROCESSOR
DAC

IC101
C1BB000000414

The following symbols
are shown on the
schematic diagram.

8V	8V
5V	5V
CD	(L.R)

TO
E-6922a
CN401

CN403

E-8988c
Spindle
Motor
Traverse
Motor

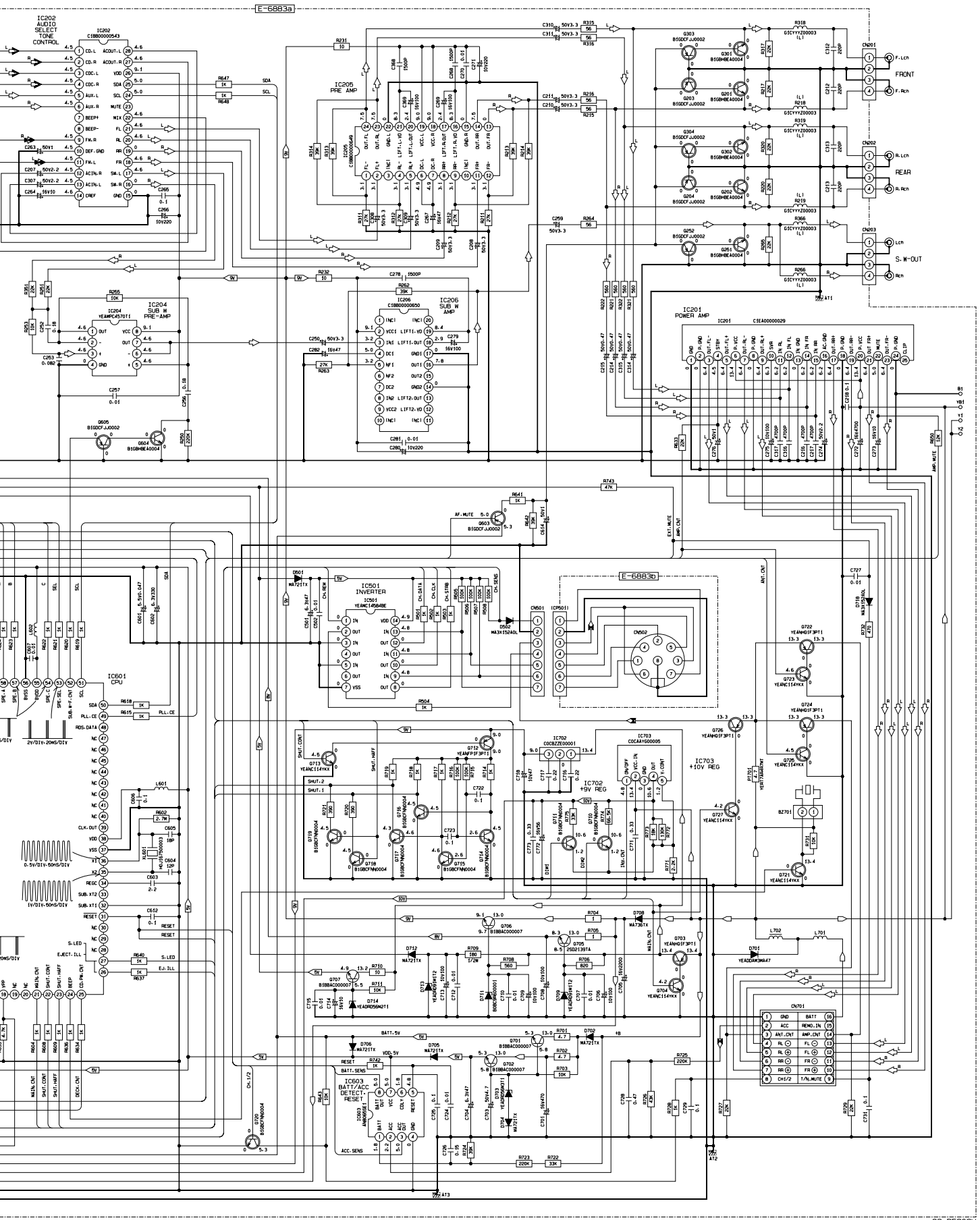
E-8988d
Loading Motor

IC301
MOTOR
DRIVER
IC301
C0GBY0000012

IC201
CPU
IC201
C2BBFD000365

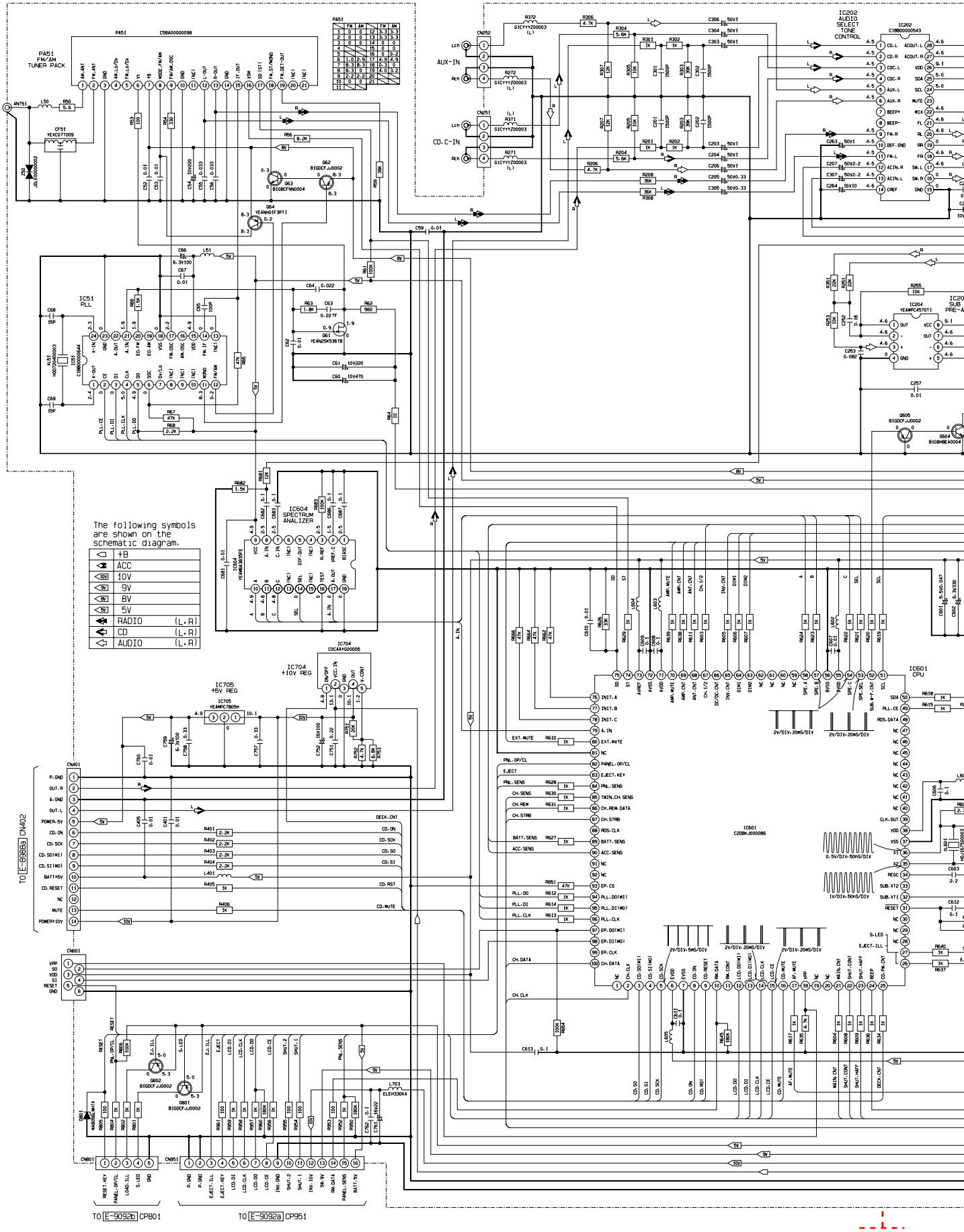
E-8988b

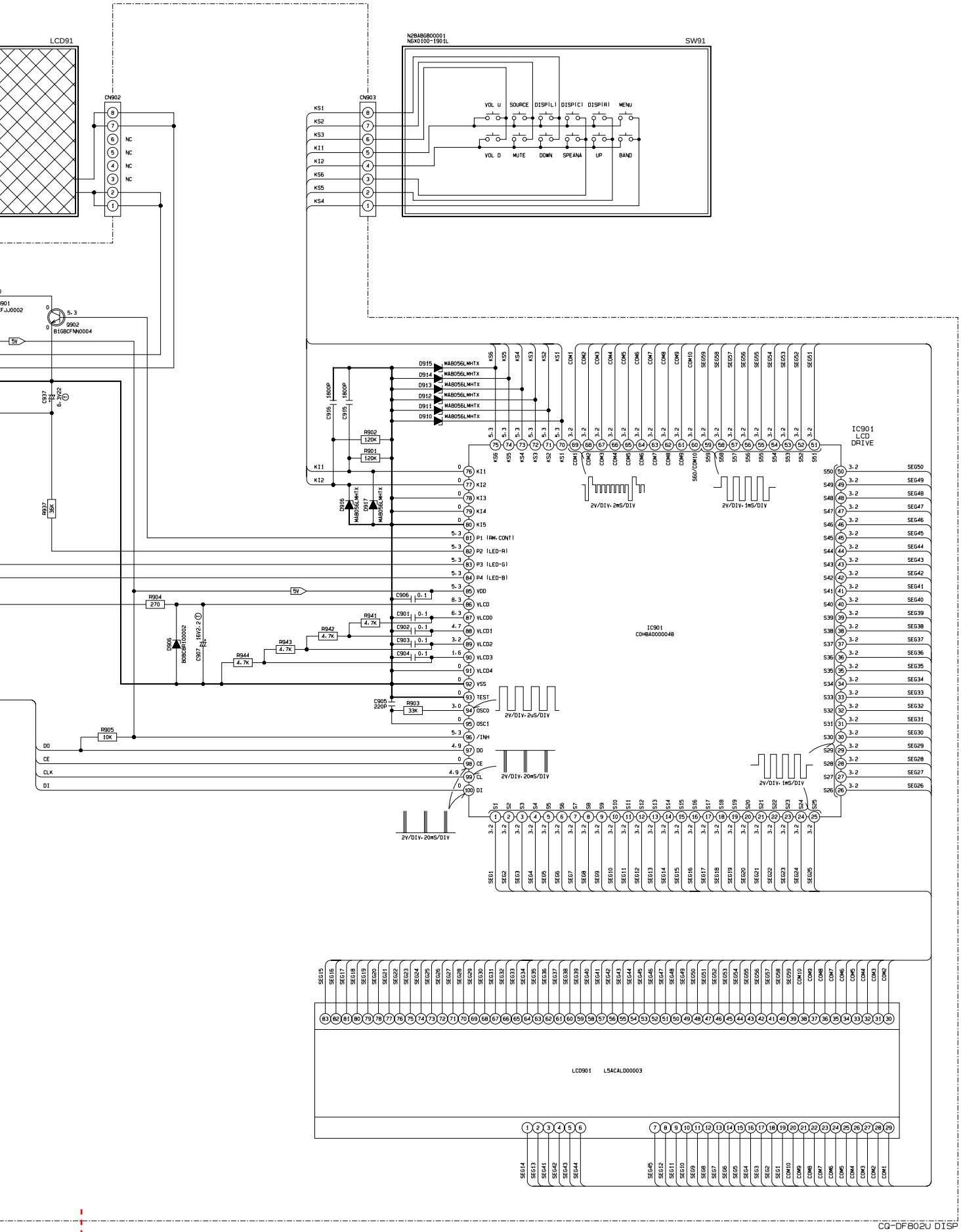
CQ-HR1003U CD DECK (NCD8)


E-6883a
IC202 AUDIO SELECT TONE CONTROL
IC205 PRE AMP
IC206 SUB W AMP
IC204 SUB W PRE-AMP
IC201 POWER AMP
FRONT
REAR
S-W-OUT
E-6883b
IC501 INVERTER
IC601 CPU
IC702 +9V REG
IC703 +10V REG
IC603 BATT/ACC DETECT-RESET
CN501
CN502
CN701

16 SCHEMATIC DIAGRAM

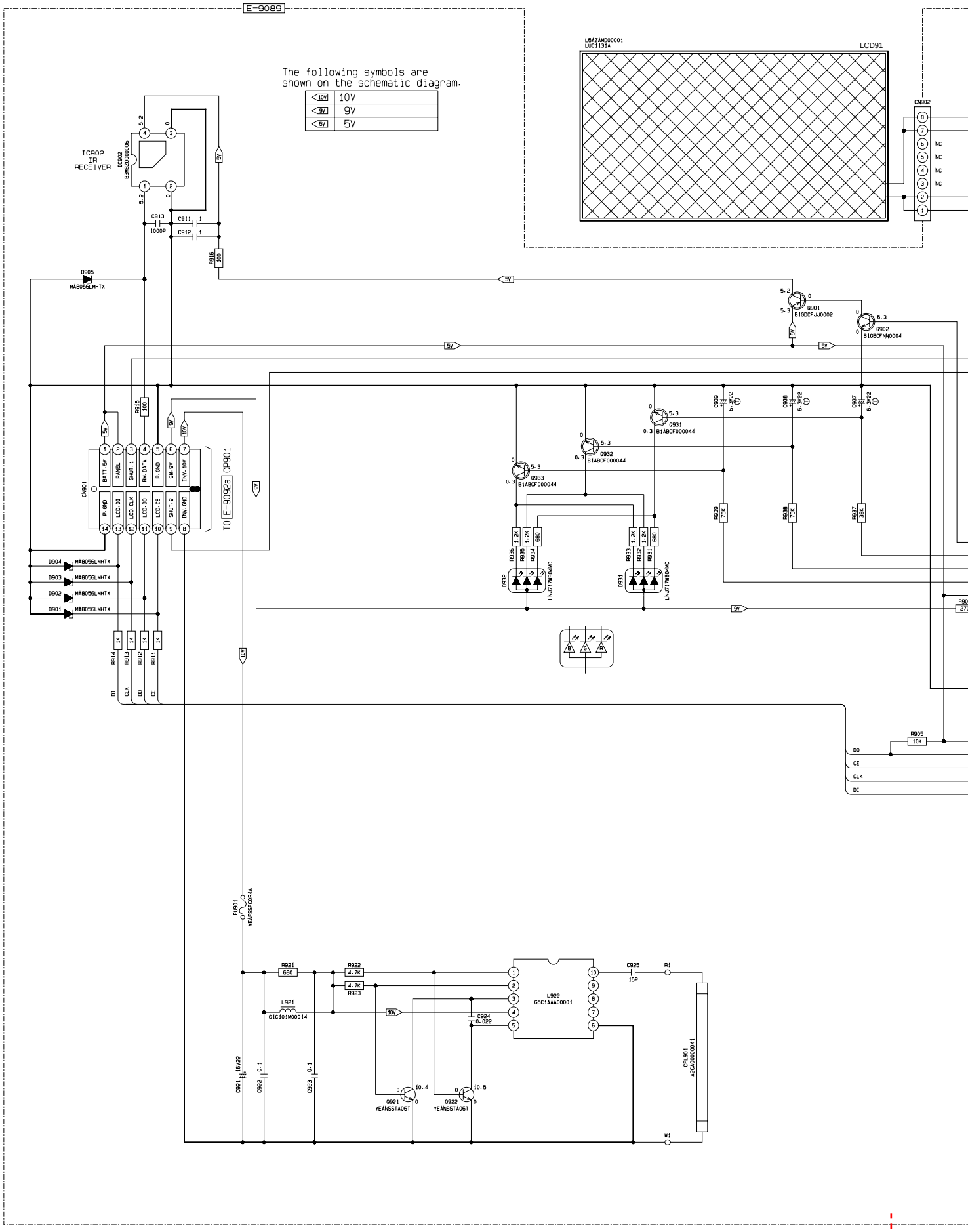
16.1. Main Block

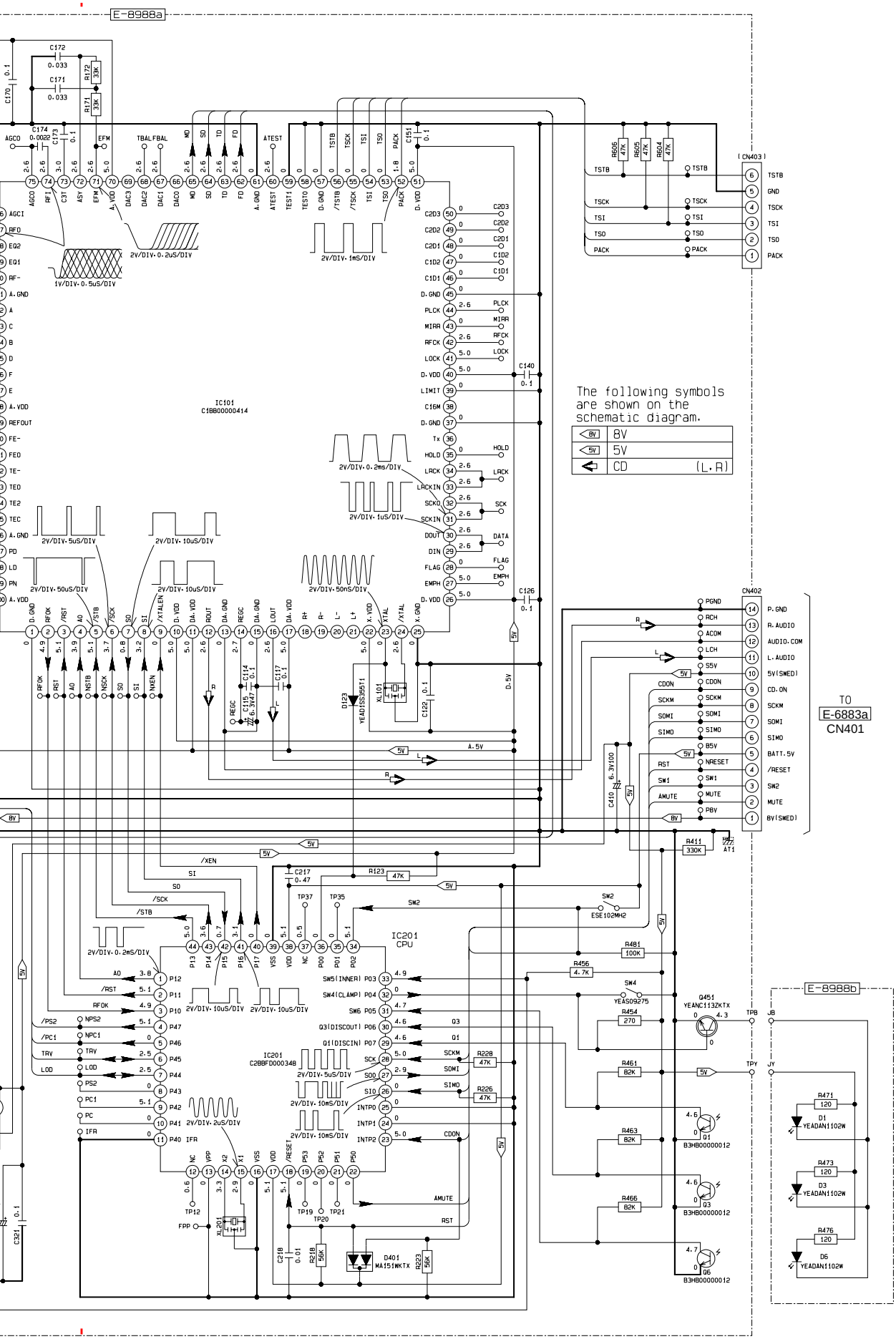




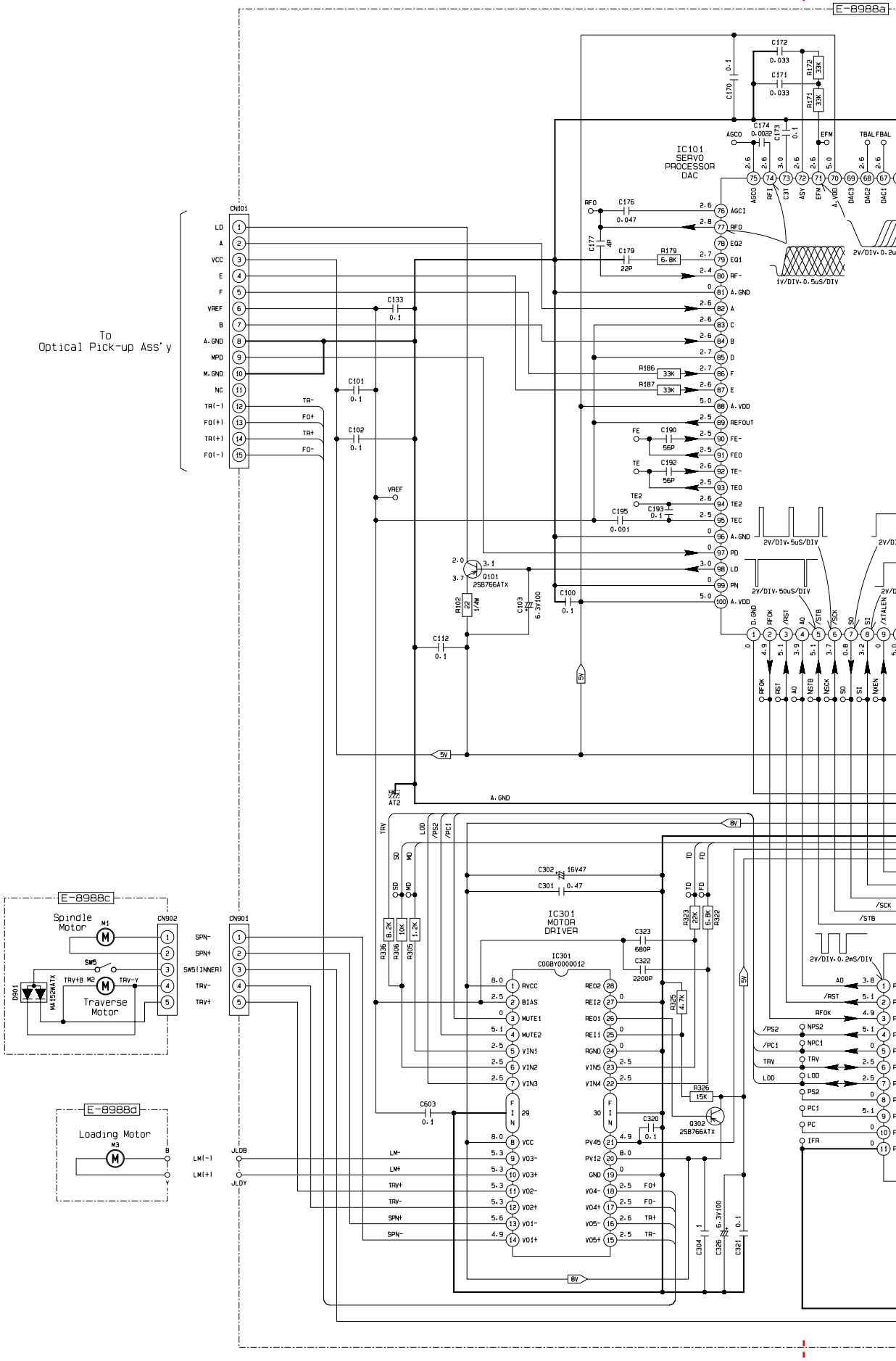
CQ-DF802U DISP

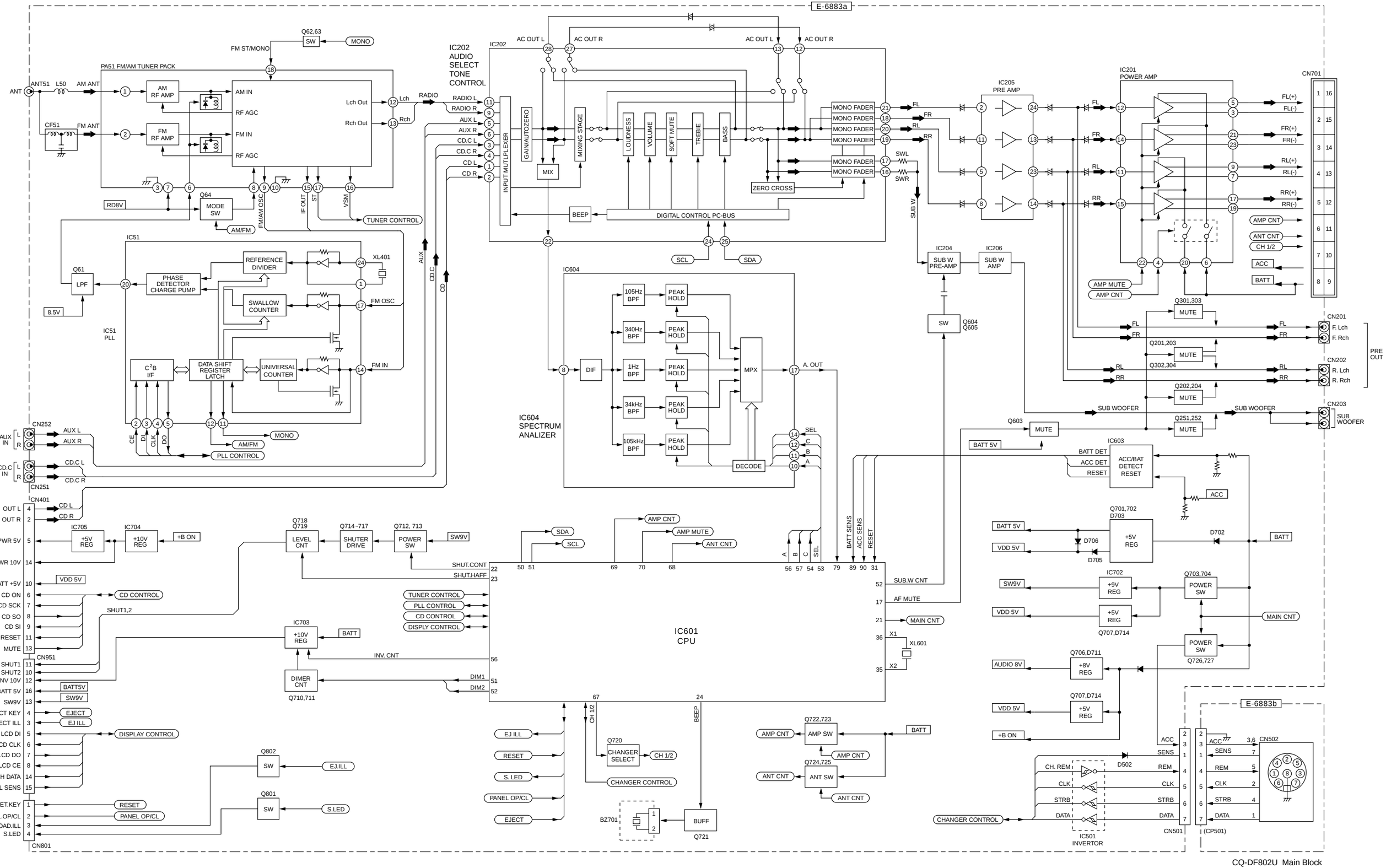
16.2. Display Block



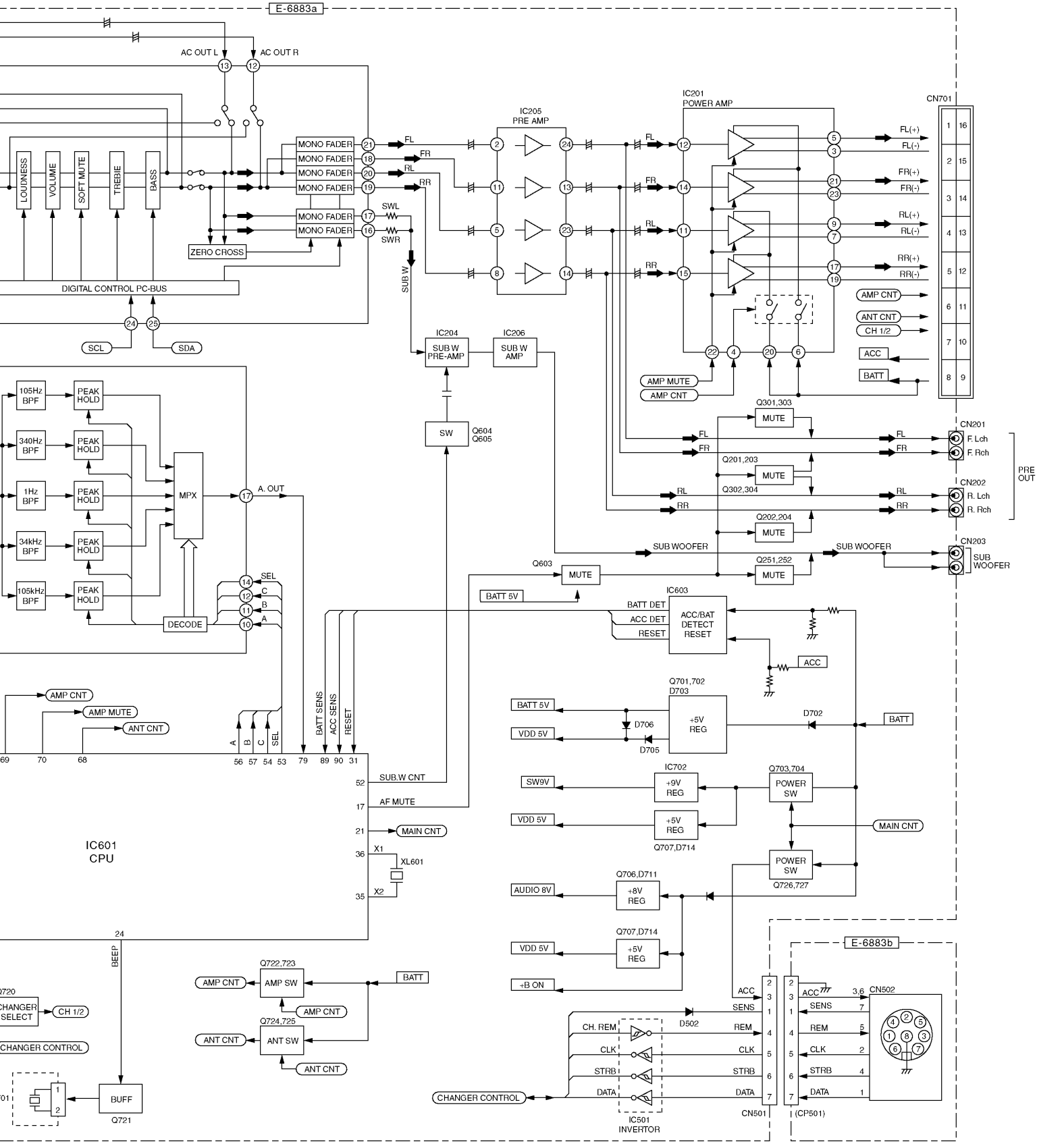

E-8988a
IC101
C1BB00000414
IC201
CPU
C28BFD000348
CN403
CN402
The following symbols are shown on the schematic diagram.
8V
5V
CD (L.R)
TO
E-6883a
CN401
E-8988b

16.3. CD Servo Block

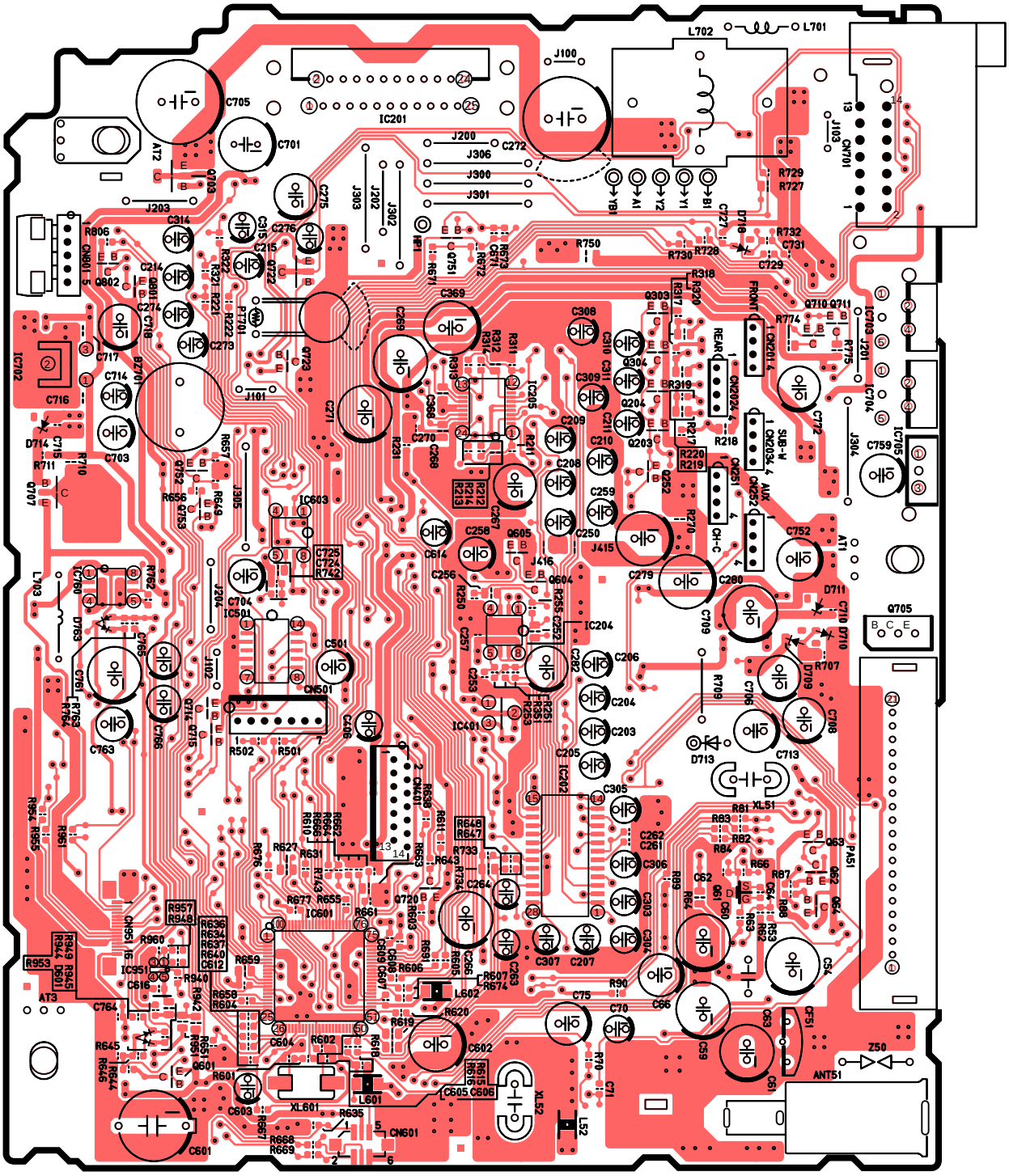




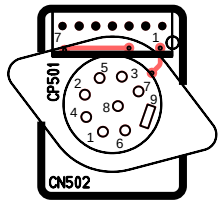
CQ-DF802U Main Block



CQ-DF802U Main Block



[E-6922a] [Top View]



[E-6922b]
[Top View]